

Top Secret



PHOTOGRAPHIC
EXPLOITATION
PRODUCTS

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**MONTHLY INDEX TO
PHOTOGRAPHIC EXPLOITATION PRODUCTS
DECEMBER 1978**

(See inside cover)

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JANUARY 1979
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DISSEMINATION CONTROL ABBREVIATIONS

NOFORN-	Not Releasable to Foreign Nationals
NOCONTRACT-	Not Releasable to Contractors or Contractor/Consultants
PROPIN-	Caution-Proprietary Information Involved
USIBONLY-	USIB Departments Only
ORCON-	Dissemination and Extraction of Information Controlled by Originator
REL...	This Information has been Authorized for Release to ...

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INTRODUCTION

The Index to Photographic Exploitation Products is a guide to the contents of reports and memoranda produced by means of photographic interpretation. These are added to the Exploitation Products Data File (EPF) of the National Base of Image-Derived Information (NBIDI) when received by the National Photographic Interpretation Center (NPIC). The index includes imagery interpretation reports produced by various components of the Army, Navy, Air Force, Central Intelligence Agency, Defense Intelligence Agency, and foreign governments, as well as those produced by NPIC. At the request of COMIREX/NIDBWG, this publication is compiled and published monthly then cumulated annually by NPIC for the use of properly cleared components of USIB member organizations.

Listed documents are on file in NPIC, and microfiche copies are available to requesters when parent organizations are unable to provide copies. Information, such as bibliographies on specific subjects, is available from the EPF to answer requests which cannot be satisfied from the PEP.

Requests for regular distribution of the PEP, for additional information from the EPF, or for microfiche copies of documents should be channeled through appropriate liaison offices located in NPIC. Organizations which do not have a liaison office in NPIC should submit the request in writing to NPIC/PSG/RSD/IB.

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GUIDE TO USERS

The PEP consists of six indexes:

- Subject in alphabetic sequence.
- Originator in report type/number sequence.
- General category with subject in alphabetic sequence.
- Geographic coordinate sequence. (Geographic coordinates area listed where a single area is involved.)

- WAC/BE number sequence.
- Accession number sequence.

The accession number sequence may be referred to for complete information on each document, including edited abstracts. An asterisk at the end of an abstract indicates the abstract was prepared by the Reports Analysis Section. Selected information is contained in the other sequences. The accession number should be used when requesting microfiche copies of documents.

TYPICAL ACCESSION CITATION

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THEY MAY BE DIRECTED TO NPIC/PSG/RSD/IB/RAS [REDACTED]

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ABBREVIATIONS AND NUMERIC CODES

REPORT TYPES

ARA	-All Source Research Aid	IRP	-Imagery Research Paper
BIBLO	-Bibliography	LOT	-Letter of Transmittal
BIIB	-Basic Imagery Interpretation Brief	MCS	-Mission Coverage Statistics
BIIR	-Basic Imagery Interpretation Report	MEMO	-Memorandum
BRAD	-Briefing Aid (Only Microfiche Copies are available)	MIPIR	-Multi-mission Imagery Interpretation Report
BREF	-Photographic Interpretation Brief	MODL	-Model Announcement
		NAIR	-New Applications of Imagery Report
		NBRG	-National Basic Reference Graphic
DPIR	-Detailed Photographic Interpretation Report	NEDR	-Detailed Photographic Interpretation Report (Near East)
DSIIB	-Direct Support Photographic Interpretation Brief	NEGR	-General Photographic Interpretation Report (Near East)
DSIIR	-Direct Support Photographic Interpretation Report	NEIR	-Initial Photographic Interpretation Report (Near East)
ENDR	-Engineering Drawing	NESR	-Special Photographic Interpretation Report (Near East)
FEDR	-Detailed Photographic Interpretation Report (Far East)	NEWS	-Technical Newsletter
FEGR	-General Photographic Interpretation Report (Far East)	NOTE	-Photographic Interpretation Note
FESR	-Special Photographic Interpretation Report (Far East)	OAK	-Initial Mission Readout
IIM	-Imagery Interpretation Memorandum	PAR	-Photographic Analysis Report
IIR	-Imagery Information Report	PIN	-Photographic Interpretation Note
INFR	-Inter-office Memorandum	PIR	-Photographic Interpretation Report
IPIR	-Initial Photographic Interpretation Report	REPT	-Photographic Interpretation Report
IRA	-Imagery Research Aid	SPIR	-Special Photographic Intelligence Report

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ABBREVIATIONS AND NUMERIC CODES (CONTINUED)

REPORT TYPES (Continued)

SR - Summary Report
STDY - Study
SUPR - Supplemental Photographic Intelligence Report
TP - Technical Publication

08 - CONFIDENTIAL
10 - TOP SECRET CHESS
11 - TOP SECRET CHESS
13 - TOP SECRET CHESS RUFF

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14 - TOP SECRET CHESS RUFF

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SECURITY CLASSIFICATION

00 - UNCLASSIFIED
01 - TOP SECRET
02 - TOP SECRET
04 - SECRET
05 - SECRET
07 - CONFIDENTIAL

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ORIGINATOR

ACDA - ARMS CONTROL AND DISARMAMENT AGENCY

AF - AIR FORCE

ARMY - ARMY

CIA - CENTRAL INTELLIGENCE AGENCY

DIA - DEFENSE INTELLIGENCE AGENCY

GMAIC - GUIDED MISSILE AND ASTRONAUTICS INTELLIGENCE
COMMITTEE

JOINT - JOINT (2 or more USIB members participating)

NATO - NORTH ATLANTIC TREATY ORGANIZATION

NAVY - NAVY

NPIC - NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

NSA - NATIONAL SECURITY AGENCY

NTPC - NATIONAL TECHNICAL PROCESSING CENTER

SAC - SAC (544th RTS)

SAC-1 - SAC-1 (8th RTS)

SAC-2 - SAC-2 (3921 ST RTS)

SAC-C - SAC-C (15th RTS)

STL - SPACE TECHNOLOGY LABORATORY

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EPF SUBJECT CATEGORIES

05 - AIR ACTIVITY

Airfields, seaplane stations, aircraft, storage, production, research, training, aerohydrodynamic vehicles, and air defense activity.

10 - GENERAL ACTIVITY

Complex studies, unidentified installations/equipment, and terrain or analyses. agriculture analyses.

13 - BIOLOGICAL/CHEMICAL WARFARE ACTIVITY

Research, production, testing, training, and storage.

15 - COMPREHENSIVE REPORTS

Mission readouts, summaries, and country or area studies.

25 - ELECTRONICS/COMMUNICATIONS ACTIVITY

Radar and radio installations/equipment, missile, air, naval related installations/equipment, production, research, testing.

30 - INDUSTRIAL ACTIVITY

Raw materials, basic processing, heavy and light industry, chemical plants, and power facilities. (For shipbuilding, see NAVAL. For nuclear power plants, see NUCLEAR.)

35 - MILITARY ACTIVITY

Ground force installations/equipment, production, testing, research, and repair.

40 - MISSILE & SPACE ACTIVITY

Sites, research, production, storage, and equipment.

55 - NUCLEAR ACTIVITY

Mining, production, research, testing, storage, and nuclear power plants.

60 - OVERLAYS/PLOTS

Mission Coverage Plots, Mission Coverage Statistics, tracks, and annotated maps.

65 - RESEARCH AND DEVELOPMENT ACTIVITY

Technical publications and miscellaneous R&D installations.

75 - NAVAL ACTIVITY

Submarine bases, naval bases and air stations, shipyards, research, and equipment.

80 - STORAGE ACTIVITY (NON-MILITARY)

POL storage, agricultural storage, and industrial storage.

85 - TRANSPORT AND PIPELINE ACTIVITY

Road and rail activity, pipelines, and canal systems.

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PART I

Listing of Reports Alphabetically

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SUBJECT	COUN	COORD	ACCN NO.
AIN OUSSERA AIRFIELD FOXBAT MIG-25 IDENT	AG	353123N 0025246E	S085337
AIRCRAFT, BEAR D TU-95 DEPLOYMENT	CU		S085259
AIRCRAFT, CANDID IL-76 AWAC MODIFICATIONS	UR		S085513
AIRCRAFT, CANDID IL-76 AWAC MODIFICATIONS	UR		S085515
AIRCRAFT, CHECH A	UR		S085277
AIRCRAFT, CHECH B	UR		
AIRCRAFT, CHUCK B	UR		
AIRCRAFT, CHUCK C	UR		
AIRCRAFT, CHUCK D	UR		
AIRCRAFT, CUB AN-12 + COKE AN-24 PODS U/I	UR		S085602
AIRCRAFT, DEVELOPMENTS	CH		S085257
AIRCRAFT, DEVELOPMENTS	UR		S085269
AIRCRAFT, FISHPOT B/C SU-9/11 ARMAMENT SRCH	UR		S085394
AIRCRAFT, HELICOPTER MIL-DESIGNED NEW PROB	UR		S085658
AIRCRAFT, HIP C MI-8 MODIFICATIONS	UR		S085075
AIRCRAFT, KASP A	UR		S085277
AIRCRAFT, KASP B	UR		
AIRCRAFT, PRODUCTION PLANTS	CH		S085258
AIRCRAFT, RAM K	UR		S085415
AIRCRAFT, RAM K NEW PROB	UR		S085761
AIRCRAFT, TAG A	UR		S085277
AIRCRAFT, TAG A	UR		S085470
AIRCRAFT, TAG B	UR		S085277
AIRCRAFT, WING-IN-GROUND EFFECT SYS TRENDS	UR		

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SUBJECT

COUN

COORD

ACCN NO.

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AIRFIELDS, SATELLITE RECOVERY OPS ASSOC POSS	UR		5085690
AKTYUBINSK AIRFIELD SAT RECOVERY ASSOC POSS	UR	501447N 0571218E	
AKTYUBINSK AIRFIELD SAT RECOVERY ASSOC POSS	UR	501447N 0571218E	
AL ISMAILIYAH SA-2 SITE B25A MILITARY PARADE	EG	302722N 0315952E	5085336
AL ISMAILIYAH SA-2 SITE B25A MILITARY PARADE	EG	302722N 0315952E	
ALEYSK ICBM RTP SS-18 PROPELLANT TRF/STGE FAC	UR	522828N 0824138E	5085204
ALMA ATA ARMY BARRACKS EAST AL4	UR	431620N 0765740E	5085703
ANHUNG MISSILE FLIGHT TEST RANGE	KS	364030N 1261000E	5085500
ANIVA ARMY BARRACKS RAILROAD STATION NW 1	UR	464247N 1423140E	5084944
ARKHANGELSK AMMUNITION STORAGE FACILITY	UR	642435N 0403815E	5085595
ARKHANGELSK ASM SUPPORT FACILITY	UR	642301N 0404520E	
ARKHANGELSK PETROLEUM PRODUCTS STGE U/G KHOLM	UR	642404N 0403610E	
ARKHANGELSK/KHOLM AIRFIELD	UR	642252N 0404328E	
ARKHANGELSK/KHOLM AIRFIELD GCA SITE	UR	642252N 0404328E	
ARKHANGELSK/KHOLM AIRFIELD NUC WPN STGE BKR 1	UR	642110N 0404414E	
ARKHANGELSK/KHOLM AIRFIELD NUC WPN STGE BKR 2	UR	642107N 0404341E	
ARKHANGELSK/KHOLM AIRFIELD NUCLEAR WPNs STGE	UR	642112N 0404401E	
ARKHANGELSK/KHOLM EW RADAR FACILITY	UR	642320N 0403920E	
ARKHANGELSK/KHOLM NAVAL AVIATION CP BUNKERED	UR	642310N 0404320E	
ARKHANGELSK/KHOLM SEAPLANE STATION	UR	642320N 0404100E	
ASEB AIRFIELD UPGRADING SOVIET	ET	130412N 0423818E	5085267
ASEB PORT FACILITIES UPGRADING SOVIET	ET	1304 N 04238 E	
AYAGUZ AIRFIELD CUB AN-12	UR	475503N 0802710E	5085346
BAGHDAD AIR DEPOT M-1974 122MM SP GUN SHPMT	IZ	333125N 0441425E	5085523
BAGHDAD AIR DEPOT M-1974 122MM SP GUN SHPMT	IZ	333125N 0441425E	
BAGHDAD MILITARY BKS/SCHOOL/HQ M-1974 SP GUN	IZ	331730N 0442810E	
BAGHDAD MILITARY TRAINING AREA NW 2 ARMD BRDG	IZ	334600N 0440100E	5085341
BAHIA DE PORTETE NARCOTICS TRANSSHIPMENT AREA	CO	121030N 0715530W	5085621
BAHIA DE PORTETE NARCOTICS TRANSSHIPMENT AREA	CO	121030N 0715530W	

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SUBJECT	COUN	COORD	ACCN NO.
BAKU NAVAL BASE + SHIP REPAIR YARD	UR	402042N 0495053E	S085634
BAKU NAVAL BASE + SHIP REPAIR YARD	UR	402042N 0495053E	
BAKU NAVAL FACILITIES APPROACHES	UR	4020 N 04953 E	S085633
BALAKLAVA NAVAL FACILITIES APPROACHES	UR	4429 N 03336 E	S085650
BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD	UR	443010N 0333554E	S085651
BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD	UR	443010N 0333554E	
BALAKLAVA SUBMARINE BASE/SHIP RPR TEST BARGE	UR	443010N 0333554E	S085615
BALAKLAVA SUBMARINE BASE/SHIP RPR TEST BARGE	UR	443010N 0333554E	
BALAKLAVA SUBMARINE BASE/SHIP RPR YD 402S SSB	UR	443010N 0333554E	S085521
BALAKLAVA SUBMARINE BASE/SHIP RPR YD 402S SSB	UR	443010N 0333554E	

BELOGORSK ARMY BKS AL1/HQ MRD TK DIV REORG	UR	505413N 1282858E	S085879
BELOVOUSKOYE ARMY BARRACKS AL2	UR	424900N 0740550E	S085702
BLAGOYEVO AIRFIELD AIRCRAFT BUNKERS	UR	465337N 0304151E	S085816
BLAGOYEVO AIRFIELD HIP C MI-8 MODIFIED IDENT	UR	465337N 0304151E	S085075
BOLSHAYA RECHKA RADIO RELAY STATION	UR	515750N 1061745E	S085933
BOMBAY NAVAL BASE + SHIP REPAIR YARD	IN	185533N 0725015E	S085636
BOMBAY NAVAL BASE + SHIP REPAIR YARD	IN	185533N 0725015E	
BORZYA ARMY BKS AL3/HQ MRD/SA-4 BRGD SA-7 ACT	UR	502105N 1162720E	S085254
BORZYA ARMY BKS AL3/HQ MRD/SA-4 BRGD SA-7 ACT	UR	502105N 1162720E	
BUCURESTI AIRFRAME PLANT BANEASA	RO	443011N 0260550E	S085608
BUCURESTI/BANEASA AIRFIELD	RO	443011N 0260550E	
CHAADAYEVKA ALTERNATE HEADQUARTERS PENZA EAST	UR	530832N 0460547E	S085908
CHANGHWA DONG SIGINT FACILITY	KN	380450N 1264325E	S085250
CHANGKO ARMY BARRACKS AL3	CH	341400N 1134610E	S085061

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SUBJECT	COUN	COORD	ACCN NO.
CHELYABINSK PETROLEUM PRODUCTS STORAGE	UR	550923N 0612849E	S085493
CHELYABINSK TRACTOR + GM SUPPORT EQUIP PLANT	UR	550916N 0612802E	
CHELYABINSK TRACTOR + GM SUPPORT EQUIP PLANT	UR	550916N 0612802E	
CHENGDU AIRFRAME PLANT 132	CH	304227N 1035747E	S085258
CHENGDU/CHIUNG-LAI AIRFIELD	CH	302921N 1032800E	S085506
CHENHAI PETROLEUM REFINERY U/C	CH	295900N 1213930E	S085499
CHERVONO GLINSKOYE AIRFIELD AIRCRAFT BUNKERS	UR	455650N 0292239E	S085686
CHIENSHUI SSM COMPLEX FIELD POSITION NEW U/C	CH	235415N 1023610E	S085348
CHINGTAO PETROLEUM REFINERY	CH	361300N 1202250E	S085499
CHINGYU MTC	CH	421705N 1265320E	S085275
CHINHAI MTC	CH	404126N 1205309E	
CHIRCHIK ARMY BARRACKS AL9	UR	412702N 0693320E	S085701
CHITA SRF ARMY HQ RADIO COMMO XMTR HARD ANTS	UR	520324N 1601137E	S085407
CHIUCHIANG PETROLEUM REFINERY	CH	294425N 1160410E	S085499
CHOYBALSAN AIRFIELD NE SA-7 SITE	MG	480802N 1143847E	S085254
CHOYBALSAN AIRFIELD NE SA-7 SITE	MG	480802N 1143847E	
CIENFUEGOS PETROLEUM STGE FAC POSS U/C	CU	220825N 0802720W	S085259
DERAZHNYA ICBM SITE 57D TYPE 36 SILO U/C	UR	492036N 0273551E	S085619
DERAZHNYA LAUNCH CONTROL FACIL DD LCC REMOVED	UR	491852N 0272650E	S085331
DERAZHNYA LAUNCH CONTROL FACILITY DD CONST	UR	491852N 0272650E	S085619
DIEGO SUAREZ PORT FACILITIES COMMERCIAL	MA	121600S 0491717E	S085494
DNEPROPETROVSK INDUSTRIAL WASTE DISPOSAL PITS	UR	482920N 0345910E	S085392
DONGUZ ARTILLERY TEST AREA SP AA GUN NEW POSS	UR	513203N 0545729E	S085516

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SUBJECT	COUN	COORD	ACCN NO.
DROVYANAYA MOBILE IRBM BASE 4 U/C	UR	512251N 1125014E	S085626
DUBNICA NAD VAHOM METALLURGICAL PLT MIL PROD	CZ	485800N 0181114E	S085610
DUBNICA NAD VAHOM METALLURGICAL PLT MIL PROD	CZ	485800N 0181114E	
DUBNO AIRFIELD NE AIRCRAFT BUNKERS	UR	502645N 0255017E	S085875
DUNAY RADIO RELAY STATION	UR	425055N 1321905E	S085874
DUNAY SUBMARINE BASE + SHIPYARD FLTG DRYDOCK	UR	425400N 1322110E	S085609
DUNAY SUBMARINE BASE + SHIPYARD FLTG DRYDOCK	UR	425400N 1322110E	
DUNAY SUBMARINE BASE + SHIPYARD FLTG DRYDOCK	UR	425400N 1322110E	S085511
DUNAY SUBMARINE BASE + SHIPYARD FLTG DRYDOCK	UR	425400N 1322110E	
DYLEN TILLENBERG SIGINT COLLECTION FACILITY	CZ	495812N 0123019E	S085819
DZHANGYPAKHTA NAVAL RADIO COMMO RCVR STA BKR	UR	430448N 0741012E	S085804
EL ASNAM AIRFIELD AW RADAR FACILITY IDENT	AG	361239N 0012000E	S085620
EL ASNAM AIRFIELD SA-6 REGIMENT IDENT	AG	361239N 0012000E	
EL ASNAM AIRFIELD SA-6 REGIMENT IDENT	AG	361239N 0012000E	

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ELECTRONICS, ANTENNAS HARD	UR	S085287
ELECTRONICS, ANTENNAS HARDENED ICBM ASSOC	UR	S085386
ELECTRONICS, AR-EL-1 RADIO INTERCEPT/DF RCVR	UR	S085739
ELECTRONICS, AR-EL-1 RADIO INTERCEPT/DF RCVR		
ELECTRONICS, COMMAND CONTROL SYSTEM AIR DEF	KN	S085271
ELECTRONICS, DEVELOPMENTS	UR	S085269

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ELECTRONICS, HF COMMUNICATIONS SYSTEM	UR	S085281
ELECTRONICS, NAN CHING A AW RADAR	CH	S085760

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SUBJECT	COUN	COORD	ACCN NO.
ELECTRONICS, PLANAR RADARS PECHORA EAST/WEST	UR		S085472
ELECTRONICS, RADAR DEPLOYMENT SA-4/6 UNIT HQ	UR		S085280
ELECTRONICS, SPACE SYSTEMS CONTROL	UR		S085273
ELECTRONICS, TOWER COMPARISONS MISSILE SITES	UR		S085395
FANGSHAN PETROLEUM RFY WASTE DISPOSAL PITS	CH	394453N 1155542E	S085392
FASTOV RADIO RELAY STATIONS SEARCH	UR	5005 N 02955 E	S085907
FEODOSIYA NAVAL BASE + SHIP REPAIR YARD	UR	450131N 0352340E	S085630
FEODOSIYA NAVAL BASE + SHIP REPAIR YARD	UR	450131N 0352340E	
FEODOSIYA NAVAL FACILITIES APPROACHES SW	UR	4459 N 03523 E	S085629
FEODOSIYA NAVAL WPNS R+D FAC NAV CR MSL ACT	UR	450105N 0352455E	S085286
FEODOSIYA NAVAL WPNS R+D FAC NAV CR MSL ACT	UR	450105N 0352455E	
FEODOSIYA TORPEDO + ASW WEAPONS STORAGE FACIL	UR	450047N 0352427E	S085507
FERGANA AVTOKOLONNA 2504	UR	402155N 0714624E	S085692

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GORKIY MOTOR VEHICLE PLT BTR-60PB MODIF IDENT	UR	561448N 0435341E	S085263
GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	UR	561448N 0435341E	S085340
GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	UR	561448N 0435341E	
GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	UR	561448N 0435341E	
GORKIY RADIO RELAY/TV/FM BROADCAST CENTER	UR	561824N 0435945E	S085931
GORKIY RADIO RELAY/TV/FM BROADCAST CENTER	UR	561824N 0435945E	
GORKIY SHIPYARD 112 T CLASS SS LAUNCH	UR	562142N 0435228E	S085338
GORNA MALINA ARMY BKS SIGNAL REGT EXPSN PROB	BU	424234N 0234107E	S085092
GORODOMLYA OSIROV MISSILE RLTD FAC CONST SRCH	UR	5712 N 03304 E	S085695

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SUBJECT	COUN	COORD	ACCN NO.
GREEM BELL OSTROV AIRFIELD OBJECTS U/I	UR	810838N 0641600E	S085266
GREEM BELL OSTROV AIRFIELD OBJECTS U/I	UR	810838N 0641600E	

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GRYFICE U/I INSTALLATION INSTITUTIONAL PROB	PL	535530N 0511045E	S085878
GUSEV ARMY BARRACKS AL2 + HQ MRD BTR-70 IDENT	UR	543559N 0221311E	S085093
HAIKOU NAVAL BASE	CH	200130N 1101630E	S085097
HAVARN SIGINT FACILITY	CZ	494446N 0122540E	S085819
HEIHO SSM FACILITIES + GSE SEARCH	CH	3130 N 09200 E	S085376

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HOLGUIN AIRFIELD FLOGGER MIG-23 IDENT	CU	204707N 0761854W	S085625
HSIANGCHENG ARMY BARRACKS AL1	CH	335119N 1132804E	S085062
HSIANGKOU AMMUNITION LOADING PLANT EAST CPLX	CH	300218N 1165443E	S085599
HSIANGKOU AMMUNITION LOADING/METAL PARTS CPLX	CH	300152N 1165122E	
HSIANGKOU AMMUNITION LOADING/METAL PARTS CPLX	CH	300152N 1165122E	
HSIANGKOU EXPLOSIVES + PROPELLANT PLANT	CH	300512N 1165705E	
HSIANGKOU EXPLOSIVES + PROPELLANT PLANT	CH	300512N 1165705E	
HSINHSIANG NAVAL BASE	CH	301506N 1221817E	S085682
HSINHSIANG NAVAL FACILITIES APPROACHES	CH	301520N 1221828E	S085681
HSUCHANG ARMY BARRACKS AL5 + HQ INFANTRY DIV	CH	340238N 1134923E	S085058
HSUCHANG ARMY BARRACKS AL8	CH	340010N 1134420E	S085059
HSUCHANG MILITARY AREA 1	CH	3401 N 11349 E	S085057
HSUCHANG MILITARY AREA 2	CH	3401 N 11349 E	S085060
HUHOHAOTE SOLID PROPELLANT COMPLEX EXPANSION	CH	404414N 1115740E	S085609

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SUBJECT	COUN	COORD	ACCN NO.
HUHOHAOTE SOLID PRPLNT CPLX RKT MTR DEV/PROD	CH	404414N 1115740E	5085495
INDUSTRY, PETROLEUM REFINERIES EXPANSION	CH		5085499
INGODA RADIO RELAY STATION	UR	515055N 1130520E	5085873
ITU SSM TRAINING POSITION	CH	363604N 1182842E	5085423
IVANKOVO ELECTRONICS R+D FAC WIND TUNNEL SUSP	UR	564350N 0370600E	5085388
IVANKOVO ELECTRONICS R+D FAC WIND TUNNEL SUSP	UR	564350N 0370600E	5085227
IVANKOVO ELECTRONICS R+D FACILITY PROB	UR	564350N 0370600E	5085206
IVANKOVSKIY GUIDED MISSILE PLANT	UR	564521N 0370700E	5085653
IVANKOVSKIY GUIDED MISSILE TRANSSHIPMENT FAC	UR	564410N 0370850E	
IVANO FRANKOVSK AIRFIELD AIRCRAFT BUNKERS	UR	485317N 0244130E	5085920
IZHEVSK ROCKET ENGINE TEST FACILITY	UR	565603N 0532520E	5085104

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KALININGRAD MILITARY BARRACKS AL3 ARTY BRGD	UR	544450N 0202758E	5085262
KAPUSTIN YAR MTC ELECTRONICS EQUIPMENT	UR	484107N 0455853E	5085395
KAPUSTIN YAR MTC INSTRUMENTATION SITE A6	UR	484130N 0461400E	5085198
KAPUSTIN YAR MTC NAVAL TEST COMPLEX B SITE 1	UR	484012N 0461615E	
KAPUSTIN YAR MTC RIM FACILITY SS-16/20 EQUIP	UR	484039N 0460932E	5085517
KAPUSTIN YAR MTC RIM FACILITY SS-16/20 EQUIP	UR	484039N 0460932E	
KAPUSTIN YAR MTC SPACE SITE 7C SL-8J SLV	UR	483226N 0461754E	5085577
KAPUSTIN YAR MTC SRBM CPLX A ASBLY/CHECKOUT	UR	484116N 0461648E	5085198
KARACHI NAVAL BASE + DOCKYARD WEST WHARF	PK	244950N 0665820E	5085635
KARACHI NAVAL BASE + DOCKYARD WEST WHARF	PK	244950N 0665820E	
KARAGANDA AIRFIELD SE SAT RECOVERY ASSOC POSS	UR	494755N 0730831E	5085690

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25X1

TOP SECRET CHESS RUFF

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SUBJECT	COUN	COORD	ACCN NO.
KARAGANDA AIRFIELD SE SAT RECOVERY ASSOC POSS	UR	494755N 0730831E	
KAVKAZSKAYA ARMY BARRACKS SW	UR	452556N 0403937E	S085770
KAZAN AIRCRAFT ENGINE PLANT 16	UR	555119N 0490620E	S085076
KAZAN HEAT + POWER PLANT 3 GAS BURNOFF POINT	UR	555204N 0485708E	S085392
KAZAN MISSILE PROPULSION R+D FACILITY	UR	555345N 0485007E	S085076
KAZAN PETROLEUM PROD STGE WEST 1 IR SOURCE	UR	554848N 0490200E	S085392
KHABAROVSK SHIPYARD USSURI SOUTH 876	UR	482405N 1350226E	S085631
KHARKOV AIRFRAME PLANT 135	UR	500129N 0361542E	S085105
KHERSON SHIPYARD KOMINTERN	UR	463735N 0323530E	S085680
KHILOK RADIO RELAY STATION	UR	512020N 1102630E	S085933
KHOKOTUY RADIO RELAY STATION	UR	511430N 1093330E	
KIZYL ARVAT ARMY BARRACKS SE AL4	UR	385750N 0561700E	S085705
KOMSOMOLSK SHIPYARD AMUR 199 ARD D	UR	503232N 1370248E	S085771
KOROSTEN ARMY BKS AL1/SAM SUPT TANK DIV REORG	UR	505624N 0283850E	S085879
KOROSTEN ARMY BKS LUGINY AL3 TANK DIV REORG	UR	510531N 0282251E	
KOTLAS AAM SUPPORT FACILITY	UR	605940N 0465140E	S085597
KOTLAS AIRFIELD SOUTH	UR	605947N 0465224E	
KOTLAS AIRFIELD SOUTH GCA SITE	UR	605915N 0465255E	
KOTLAS AIRFIELD SOUTH GCI SITE	UR	605900N 0465700E	
KOTLAS PETROLEUM PRODUCTS STGE SAVVATIYA PUG	UR	605905N 0464721E	
KOTLAS RADIO RELAY + TV STATION	UR	611410N 0463730E	S085909
KOTLAS RADIO RELAY + TV STATION	UR	611410N 0463730E	
KOTLAS SAM SUPPORT FACILITY	UR	605940N 0465140E	S085597

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25X1

SUBJECT	COUN	COORD	ACCN NO.
KRASNOARMEYSK LASER DEV + TEST AREA FACIL 1	UR	560723N 0381254E	S085208
KRASNOARMEYSK LASER DEV + TEST AREA FACIL 2	UR	560723N 0381254E	S085215
KRASNOARMEYSK LASER DEV + TEST AREA FACIL 3	UR	560723N 0381254E	S085217
KRASNOARMEYSK LASER DEV + TEST AREA WPN ACT	UR	560723N 0381254E	S085618
KRASNOARMEYSK LASER DEV + TEST AREA WPN ACT	UR	560723N 0381254E	S085270
KRASNOARMEYSK LASER DEV + TEST AREA WPNS ACT	UR	560723N 0381254E	S085411
KRASNOARMEYSK LASER DEV + TEST AREA WPNS ACT	UR	560723N 0381254E	S085419
KRASNOARMEYSK LASER DEV + TEST COFFIN DEVICE	UR	560723N 0381254E	S085213
KRASNOARMEYSK LASER DEV + TEST COFFIN DEVICE	UR	560723N 0381254E	S085214
KRASNOARMEYSK LASER DEV + TEST COFFIN PLATE	UR	560723N 0381254E	S085207
KRASNOARMEYSK LASER DEV + TEST ROLL-OFF SHLTR	UR	560723N 0381254E	S085390
KRASNOARMEYSK LASER DEV + TEST SLED TRACK/OBJ	UR	560723N 0381254E	S085209
KRASNOARMEYSK LASER DEVELOPMENT + TEST AREA	UR	560723N 0381254E	S085216
KRASNOARMEYSK LASER DEVELOPMENT + TEST AREA	UR	560723N 0381254E	S085218
KRASNOARMEYSK LASER DEV/TEST AREA MHD CMPNTS	UR	560723N 0381254E	S085076
KRASNOARMEYSK LASER DEV/TEST PWR SUPPLY BLDG	UR	560723N 0381254E	S085606
KRASNOARMEYSK SOLID MOTOR DEVELOPMENT FACIL	UR	560750N 0380954E	S085917
KRASNOARMEYSK SOLID MTR DEV FAC RKT MOTOR NEW	UR	560750N 0380954E	S085697
KRASNODAR TV + FM BROADCAST CENTER	UR	450130N 0390020E	
KRASNOYARSK ARMY BARRACKS AL2 + TRNG AREA TA1	UR	560252N 0925551E	
KRASNOYARSK ARMY BARRACKS AL2 + TRNG AREA TA1	UR	560252N 0925551E	

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
KRASNYE BAKI RADIO RELAY + TV BROADCAST STA	UR	570535N 0450840E	S085931
KRASNYE BAKI RADIO RELAY + TV BROADCAST STA	UR	570535N 0450840E	
KRYMSK AIRFIELD AIRCRAFT BUNKERS	UR	445750N 0380005E	S085684
KUBINKA AIRFIELD AIRCRAFT BUNKERS	UR	553645N 0363855E	S085806
KUCHENG AIRCRAFT ENGINE TEST FACILITY	CH	320410N 1114620E	S085657
KULUKOSHAN IMPACT AREA CSS-X-4 CRATERS SEARCH	CH	4137 N 08920 E	S085379
KUNMING SSM FIELD POSITION	CH	245208N 1025347E	S085421
KUNMING SSM FIELD POSITION	CH	245208N 1025347E	S085423
KUNMING SSM FIELD POSITION	CH	245208N 1025347E	S085402
KUSTANAY AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	531226N 0633252E	S085690
KUSTANAY AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	531226N 0633252E	
KUYBYSHEV ARMY BARRACKS KRYAZH AL5	UR	530648N 0500719E	S085924
KUZNETSOVO AIRCRAFT ENGINE TEST FAC PROB U/C	UR	553226N 0382941E	S085429
KUZNETSOVO AIRCRAFT ENGINE TEST FAC PROB U/C	UR	553226N 0382941E	S085383
LABEDY STEEL + TANK MANUFACTURING PLANT	PL	502140N 0183651E	S085074
LABEDY STEEL + TANK MANUFACTURING PLANT	PL	502140N 0183651E	
LANTHEN SOLID PRPLNT PROD CPLX RKT MOTOR DEV	CH	340312N 1092400E	S085094
LEIPEI VLF/LF RADIO COMMO XMTR STATION BKR	CH	212848N 1101528E	S085249

25X1

LEIYANG RADIO COMMUNICATIONS XMTR STA WEST	CH	263456N 1125103E	S085248
LENINGRAD ORDNANCE R+D FACILITY	UR	600307N 0303237E	S085593
LENINGRAD SHIPYARD PETROVSKIY PETR C CL P66	UR	595736N 0301512E	S085351

25X1

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TOP SECRET CHESS RUFF

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25X1

SUBJECT	COUN	COORD	ACCN NO.
LENINGRAD SHIPYARD ZHDANOV 190 BUILDINGWAYS	UR	595233N 0301406E	S085773
LENINGRAD SHIPYARD ZHDANOV 190 190A U/C	UR	595233N 0301406E	S085345
LENINGRAD SOLID MOTOR TEST FACILITY 1	UR	600401N 0303615E	S085076
LENINGRAD SOLID MOTOR TEST FACILITY 2	UR	601250N 0304218E	
LENINGRAD SOLID MOTOR TEST FACILITY 3	UR	601533N 0304440E	
LESNOY NAVAL RADIO COMMO XMTR STATION BKR	UR	531314N 1580227E	S085696
LIBREVILLE PORT FACILITIES	GB	002400N 0092610E	S085498
LIMANSKOYE AIRFIELD AIRCRAFT BUNKERS	UR	464007N 0300042E	S085818
LLINKA RADIO RELAY STATION	UR	520519N 1071626E	S085933
LOHO ARMY BARRACKS AL1	CH	333505N 1140135E	S085063
LONG XUYEN/CAO LANH FLOODING EXTENSIVE	VM	1032 N 10527 E	S085352

25X1

LOURDES MILITARY HQ TORRENS ELECTRONICS FACIL	CU	225938N 0822755W	S085259
LOURDES MILITARY HQ TORRENS ELECTRONICS FACIL	CU	225938N 0822755W	
LUANDA AIRFIELD SA-7 SITE	AO	085111S 0131431E	S085254
LUANDA AIRFIELD SA-7 SITE	AO	085111S 0131431E	
LUANDA ARMY BARRACKS + STORAGE AREA MIL EQUIP	AO	085213S 0131815E	S085332
LUANDA ARMY BARRACKS + STORAGE AREA MIL EQUIP	AO	085213S 0131815E	
LUTSK AIRFIELD NORTH AIRCRAFT BUNKERS	UR	504720N 0252050E	S085921
LYUBERTSY HELICOPTER EXPERIMENTAL PLANT KAMOV	UR	554154N 0375242E	S085385
LYUBERTSY HELICOPTER EXPERIMENTAL PLANT KAMOV	UR	554154N 0375242E	S085219

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SUBJECT	COUN	COORD	ACCN NO.
MALYAVR AIRFIELD FORGER YAK-36 AIRCRAFT SHLTR	UR	685208N 0334300E	S085876
MARKULESHTY AIRFIELD AIRCRAFT BUNKERS	UR	475146N 0281248E	S085807
MICHURINSK TV RELAY STATION	UR	525348N 0402955E	S085909
MILITARY, BM-21 122MM ROCKET LNCHR REGT DPL	UR		S085693
MILITARY, BTR-70 APC	UR		S085093
MILITARY, DEVELOPMENTS	CH		S085257
MILITARY, DEVELOPMENTS	UR		S085269
MILITARY, DMZ TUNNEL STUDY	KN		S085260
MILITARY, GROUND FORCE ACTIVITY SOVIET	CU		S085259
MILITARY, LASER WEAPONS ACTIVITY	UR		S085270
MILITARY, RIVER CROSSING UNITS/EQUIPMENT	EG		S085589
MILITARY, SELF-PROPELLED AA GUN NEW POSS	UR		S085516
MILITARY, SINO-SOVIET-MONGOLIAN BDR SOV DEFS	UR		S085604
MILITARY, SINO-SOVIET-MONGOLIAN BDR SOV DEFS	CH		
MILITARY, SINO-SOVIET-MONGOLIAN BDR SOV DEFS	MG		
MILITARY, SOVIET ACCESS	ET		S085267
MILITARY, T-72 TANK	UR		S085466
MILITARY, URAL-375 GENR TRAILER AR-EL-1 ASSOC	UR		S085739
MILITARY, ZIL-131 MRL REGIMENTAL DEPLOYMENT	UR		S085693
MINGCHIANG ARMY BARRACKS NW AL1 + HQ INF DIV	CH	322906N 1140050E	S085056
MINGCHIANG MILITARY AREA 1	CH	3228 N 11403 E	S085055
MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT	UR	535131N 0273931E	S085614
MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT	UR	535131N 0273931E	
MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT	UR	535131N 0273931E	

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TOP SECRET CHESS RUFF

25X1
20A1

SUBJECT	COUN	COORD	ACCN NO.
MINSK/MACHULISHCHE AIRFIELD AS-4 MODIF POSS	UR	534626N 0273442E	S085381
MINSK/MACHULISHCHE AIRFIELD AS-4 MODIF POSS	UR	534626N 0273442E	

25X1

MISSILES, AS-4 MODIFIED SEARCH	UR		S085381
MISSILES, AS-6	UR		S085469
MISSILES, AS-9 SHIPPING CRATES TYPE B	UR		S085653
MISSILES, BALLISTIC MISSILE SYSTEMS ACTIVITY	CH		S085585
MISSILES, BALLISTIC MISSILE SYSTEMS TRENDS	UR		S085276
MISSILES, BRDM-2 SPANDREL ATGM LAUNCHER	UR		S085340
MISSILES, CRUISE MISSILE NETWORK DEVELOPMENTS	CH		S085268
MISSILES, CRYOGEN TRAILER TYPE F	CH		S085396
MISSILES, CSA-1 SYSTEM	CH		S085279
MISSILES, CSS-X-4 1ST STAGE TRANSFER CAR B2	CH		S085396
MISSILES, CSS-X-4 1ST STAGE TRANSPORTER C1	CH		
MISSILES, CSS-X-4 1ST STAGE TRANSPORTER E	CH		
MISSILES, CSS-X-4 2ND STAGE TRANSFER CAR B3	CH		
MISSILES, CSS-X-4 2ND STAGE TRANSPORTER C2	CH		
MISSILES, CSS-X-4 2ND STAGE TRANSPORTER F	CH		
MISSILES, CSS-X-4/CSL-2 PAYLOAD TRANSPORTER	CH		
MISSILES, CSS-1 A-FRAME CRANE	CH		
MISSILES, CSS-1 LAUNCH STAND TRAILER	CH		
MISSILES, CSS-1 LAUNCH STAND TRUCK	CH		
MISSILES, CSS-1 TRANSPORTER	CH		
MISSILES, CSS-1 TRANSPORTER	CH		S085391
MISSILES, CSS-1 TRANSPORTER/ERECTOR	CH		S085396
MISSILES, CSS-1 TRANSPORTER/ERECTOR	CH		S085391

TOP SECRET CHESS RUFF

25X1
ZSAI

SUBJECT	COUN	COORD	ACCN NO.
MISSILES, CSS-1/CSS-2 CHERRY PICKER	CH		S085396
MISSILES, CSS-1/CSS-2 CRANE TRUCK MOUNTED	CH		
MISSILES, CSS-1/CSS-2 TRANSFER RAIL CAR B1	CH		
MISSILES, CSS-1/CSS-2 TRANSPORTER RAIL TYPE A	CH		
MISSILES, CSS-1/SRBM FUEL TRANSPORTER TYPE E	CH		
MISSILES, CSS-2 CHECKOUT SUPPORT VEHICLE POSS	CH		
MISSILES, CSS-2 CONTROL/ALIGNMENT VAN	CH		
MISSILES, CSS-2 CONTROL/ALIGNMENT VAN	CH		S085391
MISSILES, CSS-2 LAUNCH STAND TRANSPORTER	CH		S085396
MISSILES, CSS-2 MOBILE LIGHTENING ARRESTER	CH		S085391
MISSILES, CSS-2 MOBILE LIGHTENING ARRESTER	CH		S085396
MISSILES, CSS-2 PROPELLANT VEHICLE 1 TYPE K	CH		
MISSILES, CSS-2 PROPELLANT VEHICLE 2 TYPE L	CH		
MISSILES, CSS-2 TRANSPORTER/ERECTOR 1	CH		
MISSILES, CSS-2 TRANSPORTER/ERECTOR 1	CH		S085391
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		S085396
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		S085391
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		S085396
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		S085391
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		S085396
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		S085391
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		S085396
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		S085391
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		S085396
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		S085391
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		S085396
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		S085391
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		
MISSILES, CSS-2/CSS-3 TRANSPORTER	CH		S085396
MISSILES, CSS-2/CSS-3 TRANSPORTER	CH		
MISSILES, CSS-2/CSS-3 TRANSPORTER	CH		S085391
MISSILES, CSS-2/CSS-3 TRANSPORTER	CH		
MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		S085396
MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		
MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		S085391
MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		
MISSILES, CSS-3 SECOND STAGE TRANSPORTER	CH		S085396
MISSILES, CSS-3 SECOND STAGE TRANSPORTER	CH		S085391
MISSILES, DEVELOPMENTS	CH		S085257
MISSILES, DEVELOPMENTS	UR		S085269
MISSILES, FROG-7 EQUIPMENT CONFIRMED	KN		S085255
MISSILES, ICBM SITES DEPLOYED BLDGS ASSOC	UR		S085399
MISSILES, ICBM TYPE 3D SITE MODERNIZED	UR		S085201
MISSILES, ICBM TYPE 3H SILO	UR		S085471

TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
MISSILES, ICBM TYPE 3H SILO UPPER DETAILS	UR		S085418
MISSILES, ICBM TYPE 3X SITE ASSOC BLDGS	UR		S085436
MISSILES, MISSILE LOAD SIMULATORS	UR		S085221
MISSILES, MISSILE TEST CENTERS	CH		S085275
MISSILES, PROPELLANT RAIL CAR TYPE A	CH		S085396
MISSILES, PROPELLANT RAIL CAR TYPE B	CH		
MISSILES, PROPELLANT RAIL CAR TYPE C1	CH		
MISSILES, PROPELLANT RAIL CAR TYPE C2	CH		
MISSILES, PROPELLANT RAIL CAR TYPE D	CH		
MISSILES, PROPELLANT RAIL CAR TYPE F	CH		
MISSILES, PROPELLANT RAIL CAR TYPE G	CH		
MISSILES, PROPELLANT RAIL CAR TYPE H	CH		
MISSILES, PROPELLANT RAIL CAR TYPE I	CH		
MISSILES, PROPELLANT RAIL CAR TYPE J	CH		
MISSILES, PROPELLANT RAIL CAR TYPE K	CH		
MISSILES, PROPELLANT RAIL CAR TYPE L	CH		
MISSILES, PROPELLANT RAIL CAR TYPE M	CH		
MISSILES, PROPELLANT RAIL CAR TYPE N	CH		
MISSILES, PROPELLANT VEHICLE TYPE A	CH		
MISSILES, PROPELLANT VEHICLE TYPE B	CH		
MISSILES, PROPELLANT VEHICLE TYPE C	CH		
MISSILES, PROPELLANT VEHICLE TYPE D	CH		
MISSILES, PROPELLANT VEHICLE TYPE M	CH		
MISSILES, PROPELLANT VEHICLE TYPE N	CH		
MISSILES, PROPELLANT VEHICLE TYPE O	CH		
MISSILES, PROPELLANT VEHICLE TYPE O	CH		S085391
MISSILES, ROCKET MOTOR/STAGE TRANS PROB NEW	CH		S085094
MISSILES, SAM ACTIVITY SUMMARY AUGUST 1978	GC		S085588
MISSILES, SAM ACTIVITY SUMMARY JULY 1978	GC		S085284
MISSILES, SA-7 SITES TYPES/LAYOUTS/DEPLOYMENT	UR		S085254
MISSILES, SLBM POP-UP TEST BARGE MSL TUBE CAP	UR		S085615
MISSILES, SOLID PROPELLANT ROCKET MOTOR NEW	UR		S085606

TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
MISSILES, SOLID PROPELLANT R+D FACILITIES	UR		S085076
MISSILES, SRBM TRANSPORTER/ERECTOR TYPE C	CH		S085396
MISSILES, SSM DEPLOYMENT EVALUATION	CH		S085377
MISSILES, SSM FACILITIES SEARCH	CH		S085413
MISSILES, SSM GANTRY CRANE	CH		S085396
MISSILES, SSM GROUND SUPPORT EQUIPMENT	CH		
MISSILES, SSM GROUND SUPPORT EQUIPMENT	CH		S085391
MISSILES, SS-11 COMPLEXES ACTIVITY SUMMARY	UR		S085282
MISSILES, SS-11/SS-17 COMPLEXES ACT SUMMARY	UR		
MISSILES, SS-11/SS-19 COMPLEXES ACT SUMMARY	UR		
MISSILES, SS-12 UNITS ORGANIZATION/EQUIP/DPL	UR		S085071
MISSILES, SS-18 COMPLEXES PRPLNT TRF/STGE FAC	UR		S085203
MISSILES, SS-20 DEPLOYMENT STATUS	UR		S085576
MISSILES, SS-9/SS-18 COMPLEXES ACT SUMMARY	UR		S085282
MISSILES, TRANSPORTER RAIL TYPE D	CH		S085396
MISSILES, TRANSPORTER RAIL TYPE E	CH		
MISSILES, TRANSPORTER ROAD TYPE B	CH		
MISSILES, TRANSPORTER ROAD TYPE G	CH		
MISSILES, TRANSPORTER ROAD TYPE G	CH		S085391
MITSIWA SHIP REPAIR YARD EL KADER DRYDOCK SOV	ET	153709N 0392842E	S085267
MOLODEZHNYA AIRFIELD NEW	AY	6740 S 04551 E	S085925
MOSKVA AIRCRAFT ENG EXPMT PLT LUZNetskAYA 300	UR	554254N 0373415E	S085205
MOSKVA AIRCRAFT ENG EXPMT PLT LUZNetskAYA 300	UR	554254N 0373415E	S085225
MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165	UR	554935N 0373935E	S085420

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25X1

SUBJECT	COUN	COORD	ACCN NO.
MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165	UR	554935N 0373935E	S085403
MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156	UR	554542N 0374034E	S085384
MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156	UR	554542N 0374034E	S085228
MOSKVA ARMY BKS AL48 ANTITERRORIST TRNG FACIL	UR	554825N 0380210E	S085497
MOSKVA ARMY BKS AL48 ANTITERRORIST TRNG FACIL	UR	554825N 0380210E	
MOSKVA GUIDED MISSILE R+D/PROD PLT KHIMKI 293	UR	555444N 0372701E	S085382
MOSKVA GUIDED MISSILE R+D/PROD PLT KHIMKI 293	UR	555444N 0372701E	S085212
MOSKVA GUIDED MISSILE R+D/PROD PLT TEST STAND	UR	555444N 0372701E	S085210
MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC	UR	554000N 0375600E	S085389
MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC	UR	554000N 0375600E	
MOSKVA MILITARY DESIGN BUREAU + EXPMT FACIL	UR	554000N 0375600E	S085223
MOSKVA MILITARY DSGN BUR + A/C EXPMT HELI NEW	UR	554000N 0375600E	S085658
MOSKVA MILITARY DSGN BUR + A/C EXPMT HELI NEW	UR	554000N 0375600E	
MOSKVA MISSILE DESIGN BUREAU	UR	554415N 0373700E	S085405
MOSKVA MISSILE DESIGN BUREAU	UR	554415N 0373700E	S085416
MOSKVA PETROLEUM REFINERY LYUBERTSY IR SOURCE	UR	553925N 0374805E	S085392
MOSKVA PHYSICAL PROBLEMS INSTITUTE VAVILOV	UR	554227N 0373400E	S085688
MOSKVA SOLID MOTOR PROD CPLX ROCKET MOTOR NEW	UR	553648N 0375240E	S085606
MOSKVA SOLID MOTOR PRODUCTION PLANT LYUBERTSY	UR	553648N 0375240E	S085076
MOSKVA/SHCHELKOV ESV TRACKING FACILITY	UR	555644N 0375803E	S085628
MUKACHEVO AIRFIELD AIRCRAFT BUNKERS	UR	482358N 0224115E	S085922
MUTANCHIANG PETROLEUM REFINERY	CH	443711N 1293755E	S085499
NACALA AIRFIELD SA-7 SITE	MZ	142848S 0404231E	S085254
NACALA AIRFIELD SA-7 SITE	MZ	142848S 0404231E	

TOP SECRET CHESS RUFF

25X1
ZNAI

SUBJECT	COUN	COORD	ACCN NO.
NANNING RADIO COMMUNICATIONS RCVR STA NORTH	CH	225241N 1081736E	S085247
NASOSNY AIRFIELD AIRCRAFT BUNKERS	UR	403534N 0493322E	S085689
NAVAL, DEPLOYMENT SOVIET	CU		S085259
NAVAL, DEVELOPMENTS	UR		S085269
NAZRAN RADIO RELAY STATION	UR	431325N 0444550E	S085694
NEMCHINOVKA RADIO RELAY/RADIO COMMO STA HARD	UR	554340N 0372130E	S085932
NEZHIN AIRFIELD	UR	510519N 0315207E	S085508
NEZHIN AIRFIELD AW RADAR FACILITY	UR	510500N 0315500E	
NEZHIN AIRFIELD GCA SITE	UR	510519N 0315207E	
NIENTZUSHAN AMMUNITION PLANT 123	CH	473120N 1225440E	S085607
NIKITOVKA TV BROADCAST STATION PROB	UR	482010N 0380200E	S085864
NIKOLAYEV PORT FACILITIES SOUTH SS-1 TEL	UR	464958N 0315659E	S085623
NIKOLAYEV PORT FACILITIES SOUTH SS-1 TEL	UR	464958N 0315659E	
NIKOLAYEV SHIPYARD NORTHERN 61 FLT6 DRYDOCK	UR	465840N 0320019E	S085774
NOGINSK CHEMICAL PHYSICS INST CHEM LASER RSCH	UR	560030N 0382348E	S085406
NOGINSK CHEMICAL PHYSICS INST LASER RSCH BLDG	UR	560030N 0382348E	S085428

NORILSK ADZ SAM DEVELOPMENTS NEW SEARCH	UR		S085278
NOVOASBEST RADIO RELAY + TV BROADCAST STATION	UR	574115N 0601015E	S085909
NOVOASBEST RADIO RELAY + TV BROADCAST STATION	UR	574115N 0601015E	
NOVOCHERKASSK RADIO RELAY STATION	UR	472002N 0400009E	S085820
NOVOILINSK RADIO RELAY STATION	UR	513920N 1084130E	S085933
NOVOPAVLOVKA RADIO RELAY STATION	UR	511030N 1091240E	
NOVOSIBIRSK AIRFRAME PLANT CHKALOV 153	UR	550401N 0825910E	S085496

TOP SECRET CHESS RUFF

25X1

SUBJECT

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COORD

ACCN NO.

25X1

OLENEGORSK AIRFIELD
OLENEGORSK AIRFIELD GCA SITE
OLENEGORSK ASM STORAGE FACILITY
OLENEGORSK ASM SUPPORT FACILITY

UR 680908N 0332743E
UR 680906N 0332740E
UR 680643N 0332940E
UR 680901N 0332647E

S085505

TOP SECRET CHESS RUFF

25X1
25X1

SUBJECT	COUN	COORD	ACCN NO.
OLENEGORSK AW RADAR FACILITY	UR	680835N 0332955E	
OLENYA GUBA SUBMARINE REPAIR BASE	UR	691250N 0331745E	5085678
OMSK ARMY BARRACKS AL7 + TRAINING AREA 1	UR	545300N 0732018E	5085699
OMSK ARMY BARRACKS AL7 + TRAINING AREA 1	UR	545300N 0732018E	
OMSK ARMY BARRACKS AL9 + HQ TANK DIVISION	UR	545740N 0732350E	5085700
OMSK ARMY BARRACKS SSE AL5 + TRAINING AREA 2	UR	545304N 0732936E	5085698
OMSK ARMY BARRACKS SSE AL5 + TRAINING AREA 2	UR	545304N 0732936E	
OMSK SRF ARMY HQ RADIO COMMO XMTR BKR HARD	UR	545613N 0740739E	5085410
OMSK TANK PLANT VOROSHILOV 174	UR	545556N 0732329E	5085096
ORENBURG AIRFIELD CIVIL SAT RECOVERY ASSOC	UR	514645N 0551921E	5085690
ORENBURG AIRFIELD CIVIL SAT RECOVERY ASSOC	UR	514645N 0551921E	
ORENBURG AIRFIELD NE SAT RECOVERY ASSOC POSS	UR	515827N 0553256E	
ORENBURG AIRFIELD NE SAT RECOVERY ASSOC POSS	UR	515827N 0553256E	
ORENBURG AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	513920N 0550441E	
ORENBURG AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	513920N 0550441E	
ORENBURG AIRFIELD SW SAT RECOVERY ASSOC POSS	UR	514258N 0550118E	
ORENBURG AIRFIELD SW SAT RECOVERY ASSOC POSS	UR	514258N 0550118E	
ORENBURG SRF ARMY HQ RADIO XMTR STATION BKR	UR	520152N 0701818E	5085409
ORSK RADIO RELAY + TV BROADCAST CENTER	UR	511355N 0582712E	5085909
ORSK RADIO RELAY + TV BROADCAST CENTER	UR	511355N 0582712E	
OSTROV ASM STORAGE SITE GOROKHOVKA	UR	571909N 0282432E	5085536
OSTROV/GOROKHOVKA AIRFIELD	UR	571748N 0282555E	
OSTROV/GOROKHOVKA AIRFIELD GCA SITE	UR	571748N 0282555E	
OSTROV/GOROKHOVKA NAVAL AVIATION CP BKR	UR	571700N 0282640E	
OSTROV/GOROKHOVKA AIRFIELD TROPOSCATTER STA	UR	571746N 0282510E	
OVRUCH ARMY BARRACKS AL1 + HQ TANK DIV REORG	UR	511947N 0284744E	5085879
PAOTOU ARMORED VEHICLE PLANT 617	CH	404006N 1095423E	5085089
PAOTOU ARMORED VEHICLE PLANT 617 STGE BLDGS	CH	404006N 1095423E	5085655

25X1

TOP SECRET CHESS RUFF

25X1
25X1

SUBJECT	COUN	COORD	ACCN NO.
PAOTOU MISSILE EQUIPMENT + ARTILLERY PLT 447	CH	404105N 1095235E	S085073
PAOTOU MISSILE EQUIPMENT + ARTILLERY PLT 447	CH	404105N 1095235E	
PAVLOGRAD SOLID MTR PROD CPLX RKT MOTOR NEW	UR	483401N 0354912E	S085606
PAVLOGRAD SOLID MTR TEST FAC SS-17/18 LAD	UR	482605N 0355817E	S085393
PAVLOGRAD SOLID MTR TEST FAC SS-17/18 LAD	UR	482605N 0355817E	
PECHORA PHASED-ARRAY RADAR FACIL EASTERN ANT	UR	651230N 0571720E	S085224
PECHORA PHASED-ARRAY RADAR FACIL WESTERN ANT	UR	651230N 0571720E	S085226
PECHORA PHASED-ARRAY RADAR FACILITY	UR	651230N 0571720E	S085472

25X1

PELINDABA NUCLEAR RESEARCH COMPLEX CONST PROG	SF	254700S 0275400E	S085265
PERM PETROLEUM REFINERY GAS BURNOFF POINTS	UR	575436N 0560800E	S085392
PERVOMAYSK SSM COMPLEX SILO MODIFICATIONS	UR	481224N 0305416E	S085330
PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	UR	595914N 0305935E	S085076
PETROPAVLOVSK COMSAT STATION SEARCH	UR	5254 N 15829 E	S085627
PETROPAVLOVSK NAVAL MSL LDG FAC SLBM WHD TRF	UR	525714N 1582550E	S085601
PETROPAVLOVSK/YELIZOVO AIRFIELD ACTIVITY	UR	530957N 1582713E	S085687
PETROVKA NAVAL BASE/SHPYD V-2 CL SSBN MODIF	UR	430703N 1322017E	S085342
PETROVKA NAVAL BASE/SHPYD V-2 CL SSBN MODIF	UR	430703N 1322017E	
PHOTO, ENHANCEMENT/SSAG CONFIGURATION COMPS	UR		S085654
PHOTO, INFRARED SOURCE CORRELATIONS	UR		S085392
PHOTO, INFRARED SOURCE CORRELATIONS	CH		
PLESETSK MTC	UR	625746N 0402346E	S085103
POCHINOK AIRFIELD AIRCRAFT BUNKERS	UR	542027N 0322828E	S085805

TOP SECRET CHESS RUFF

25X1
ZSAI

SUBJECT	COUN	COORD	ACCN NO.
PODJUCHY ENGINEER STORAGE FACILITY 503	PL	532151N 0143539E	S085918
POLYARNYY SUBMARINE BASE	UR	691208N 0332740E	S085679
POSTOLOPRTY ARMY BARRACKS NW 2	CZ	502155N 0134140E	S085264
POSTOLOPRTY ARMY BARRACKS SW	CZ	502135N 0134145E	
PRAVDINSK AIRFIELD AIRCRAFT BUNKER	UR	563119N 0432853E	S085815
RAMENSKOYE FLIGHT TEST CENTER AREA 5	UR	553238N 0380710E	S085435
RAMENSKOYE FLIGHT TEST CENTER AREA 5	UR	553238N 0380710E	S085398
RAMENSKOYE FLIGHT TEST CENTER AREA 5	UR	553238N 0380710E	S085434
RAMENSKOYE FLIGHT TEST CENTER RAM K NEW IDENT	UR	553418N 0380923E	S085761
ROSTOV AIRFIELD NW AIRCRAFT BUNKERS	UR	471646N 0393812E	S085683
ROSTOV ARMY BARRACKS NE AL10	UR	471630N 0395350E	S085769
RYBACHYE ARMY BARRACKS AL1/TRAINING AREA TA1	UR	422950N 0761200E	S085704
RYBACHYE ARMY BARRACKS AL1/TRAINING AREA TA1	UR	422950N 0761200E	
SAIGON NAVAL BASE + SHIPYARD	VM	104658N 1064250E	S085504
SAIGON NAVAL BASE + SHIPYARD	VM	104658N 1064250E	

25X1

SAMASHKI RADIO RELAY STATION	UR	431745N 0451800E	S085694
SAN ANTONIO DE LOS BAÑOS AIRFIELD FLOGGER	CU	225217N 0823036W	S085616
SARANKA RADIO RELAY STATION	UR	513200N 1111220E	S085933
SARY SHAGAN MIC AREA 1 LASER WEAPONS ACTIVITY	UR	460147N 0724009E	S085270
SARY SHAGAN MIC AREA 1 LASER WEAPONS ACTIVITY	UR	460147N 0724009E	
SARY SHAGAN MIC COMPLEX D LASER FACILITY PROB	UR	454840N 0733404E	S085414
SARY SHAGAN MIC COMPLEX D LASER FACILITY PROB	UR	454840N 0733404E	S085430
SARY SHAGAN MIC COMPLEX D LASER FACILITY PROB	UR	454840N 0733404E	S085414

25X1

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TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB	UR	454840N 0733404E	S085430
SARY SHAGAN MTC ELCT TEST FAC COFFIN SHELTER	UR	455100N 0733500E	S085211
SCIENCE, COFFIN LASER DEVICE POSS	UR		S085411
SCIENCE, COFFIN LASER DEVICE POSS	UR		S085419
SEMENOV RADIO RELAY STATION	UR	564815N 0443130E	S085931

25X1

SEVASTOPOL/BELBEK AIRFIELD AIRCRAFT BUNKERS	UR	444127N 0333422E	S085817
SEVERODVINSK SHIPYARD YAGRY OSTROV Y CL SSBN	UR	643514N 0394907E	S085518
SEVEROMORSK NAVAL MISSILE LDG FACIL OKOLNAYA	UR	690543N 0332742E	S085677
SEVEROMORSK NAVAL MSL LDG SLBM WHD TRF OPS	UR	690543N 0332742E	S085601
SHAKHUNYA RADIO RELAY + TV BROADCAST STATION	UR	573940N 0463920E	S085931
SHAKHUNYA RADIO RELAY + TV BROADCAST STATION	UR	573940N 0463920E	
SHANGCHIU ARMY BARRACKS AL2	CH	342557N 1153840E	S085053
SHANGCHIU ARMY BARRACKS AL4/HQ INFANTRY DIV	CH	342350N 1153718E	S085054
SHANGCHIU ARMY BARRACKS SW AL3	CH	342301N 1153450E	S085052
SHANGCHIU MILITARY AREA 1	CH	3427 N 11539 E	S085050

TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
SHANGCHIU MILITARY BKS ALS/HQ INF DIV/SCHOOL	CH	342558N 1153740E	S085051
SHANGCHIU MILITARY BKS ALS/HQ INF DIV/SCHOOL	CH	342558N 1153740E	
SHAOKUAN RADIO RELAY STATION WEST BUNKERED	CH	244838N 1133114E	S085246
SHAOYANG/LIANGSHIHTANG AIRFIELD	CH	271332N 1114017E	S085740
SHENYANG AIRCRAFT ENG PLANT 410 SAM PROD SRCH	CH	414740N 1232950E	S085252
SHENYANG AIRCRAFT ENG PLT 410 SAM PROD SEARCH	CH	414740N 1232950E	
SHENYANG AIRCRAFT ENGINE PLANT 410	CH	414740N 1232950E	S085258
SHENYANG AIRFRAME PLANT 112	CH	415208N 1232600E	S085656
SHENYANG AIRFRAME PLANT 112	CH	415208N 1232600E	S085258
SHENYANG AIRFRAME PLANT 112 SAM PROD/DEV SRCH	CH	415208N 1232600E	S085252
SHENYANG AIRFRAME PLANT 112 SAM PROD/DEV SRCH	CH	415208N 1232600E	
SHENYANG ELECTRICAL EQUIP PLT SAM PROD SEARCH	CH	414930N 1232953E	
SHENYANG ELECTRICAL EQUIP PLT SAM PROD SEARCH	CH	414930N 1232953E	
SHENYANG ROCKET ENG TEST FAC SAM PROD SEARCH	CH	415508N 1234215E	
SHENYANG ROCKET ENG TEST FAC SAM PROD SEARCH	CH	415508N 1234215E	
SHENYANG/TUNGHUA TELECOMMUNICATIONS LINE U/G	CH	414340N 1255230E	S085274

25X1

SHILKA RADIO RELAY + TV BROADCAST STATION	UR	515451N 1161951E	S085694
SHILKA RADIO RELAY + TV BROADCAST STATION	UR	515451N 1161951E	
SHIPS, ARD D FLOATING DRYDOCK	UR		S085771
SHIPS, DEVELOPMENTS	CH		S085257
SHIPS, KARA CLASS CG	UR		S085578
SHIPS, PETR C CLASS P&G ARMAMENTS NEW	UR		S085351
SHIPS, V-2 CLASS SSBN MODIFIED	UR		S085342
SHIPS, YU KAN CLASS LST	CH		S085772

25X1

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TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

SUBJECT	COUN	COORD	ACCN NO.
SHIPS, 196C + I CL SSAG COMPARISON/ANALYSIS	UR		S085654
SHIPS, 402S CLASS SSB	UR		S085521
SHUANGCHENG TZU MTC	CH	410800N 1001500E	S085275
SHUANGCHENG TZU MTC SITE B1/2 TRENCHING	CH	411828N 1001854E	S085424
SHUANGCHENG TZU MTC SITE B1/2 TRENCHING	CH	411828N 1001854E	S085404
SHUANGCHENG TZU MTC SITE B1/2 TRENCHING	CH	411828N 1001854E	S085425
SIDI BARRANI ARMORED VEH CONC + HQ BRGD SA-7	EG	312136N 0255224E	S085254
SIDI BARRANI ARMORED VEH CONC + HQ BRGD SA-7	EG	312136N 0255224E	
SIDI BILAL FORT COMPLEX POLNOCNY CL LSM DMG	LY	324900N 0125800E	S085519
SIDI BILAL FORT COMPLEX POLNOCNY CL LSM DMG	LY	324900N 0125800E	
SKOLE/VOLOVETS RADIO RELAY STATION SEARCH	UR	485420N 0231630E	S085872
SMOLENSK SRF ARMY HQ RADCOM XMTR BKR HARD	UR	544110N 0315100E	S085412
SPACE, CSS-X-4/CSL-2 PAYLOAD TRANSPORTER	CH		S085396
SPACE, DEVELOPMENTS	CH		S085257
SPACE, SATELLITE RECOVERY ASSOC AIRFIELDS	UR		S085690
SPACE, SITES NON-MAGNETIC TEST FACS NEW SRCH	UR		S085380
SPACE, SL-BJ SPACE LAUNCH VEHICLE	UR		S085577
SPACE, SYSTEMS DEVELOPMENTS	CH		S085272
SRI HARIKOTA ISLAND RKT MTR TEST FAC LIQ TEST	IN	134456N 0801412E	S085598
STARO KONSTANTINOV AIRFIELD AIRCRAFT BUNKERS	UR	494456N 0271614E	S085919
STORAGE, GRAIN STORAGE BUNKERS IDENTIFICATION	UR		S085609
STRYY AIRFIELD AIRCRAFT BUNKERS	UR	491443N 0234726E	S085877
SUEZ CANAL AREA 6 OCTOBER PARADE PREPARATIONS	EG	302749N 0320022E	S085334

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1
ZSAI

SUBJECT	COUN	COORD	ACCN NO.
SUMBER SUMA ARMY BARRACKS AL2 COMMO ANTENNAS	MG	462210N 1082130E	S085652
SUMBER SUMA ARMY BARRACKS AL2 COMMO ANTENNAS	MG	462210N 1082130E	
SUNGLIN MTC	CH	281420N 1020149E	S085275
SVERDLOVSK RADIO PLANT/AUTOMATION RSCH INST	UR	565013N 0603710E	S085422
SVERDLOVSK RADIO PLANT/AUTOMATION RSCH INST	UR	565013N 0603710E	
SVERDLOVSK RADIO PLT/AUTOMATION RESEARCH INST	UR	565013N 0603710E	S085408
SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	UR	564857N 0603315E	S085422
SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	UR	564857N 0603315E	S085408
SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	UR	564857N 0603315E	S085422
SWARZEDZ MILITARY AREA SW 1 PROB	PL	522330N 0170115E	S085691
SWARZEDZ MILITARY AREA SW 2 PROB	PL	522325N 0170145E	
SZCZECIN ARMY BARRACKS 2 SA-6 REGT/ENGR BRGD	PL	532137N 0143524E	S085918
TAGANKO AIRFRAME PLANT 86 CANDID MODIF IDENT	UR	471150N 0385220E	S085515
TAGANKO AIRFRAME PLANT 86 CANDID ODDIF IDENT	UR	471150N 0385220E	S085513
TAIYUAN THERMAL POWER PLANT 2	CH	375516N 1123228E	S085392
TALAKA SA-3 SITE U/C IDENTIFICATION	PE	043230S 0811145W	S085605
TANCHOU MILITARY STGE FAC SSM LAUNCH SITE U/C	CH	252600N 1092730E	S085202
TANCHOU MILITARY STGE FAC SSM LAUNCH SITE U/C	CH	252600N 1092730E	
TANCHOU MILITARY STORAGE FAC MSL SVC TWR U/C	CH	252600N 1092730E	S085335
TANCHOU MILITARY STORAGE FAC MSL SVC TWR U/C	CH	252600N 1092730E	
TANCHOU/TUNGTAO RAIL LINE CONSTRUCTION STATUS	CH	2522 N 10926 E	S085202
TANGHO PETROLEUM REFINERY	CH	324040N 1123545E	S085499
TASHKENT MILITARY RADIO COMMO RECEIVER STA	UR	412000N 0692335E	S085803
TATARK ARMY BARRACKS AL1	UR	551240N 0755835E	S085923

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
TENGSHAHO SSM FIELD POSITION CSS-1/CSS-2 TRNG	CH	390855N 1220503E	S085514
TEREKTY ASM IMPACT AREA RADAR AREA A U/I OBJ	UR	481515N 0483140E	S085199
TIENWEI MTC	CH	255520N 1024928E	S085275
TIRASPOL AIRFIELD AIRCRAFT BUNKERS	UR	465206N 0293528E	S085810
TIRUCHIRAPPALLI SMALL ARMS PLANT IDENT	IN	104326N 0784713E	S085600
TOLSTOPALTSEVO RADIO RELAY STATION	UR	553705N 0371215E	S085871
TRANSPORTATION, RAIL CARS/VEHICLES NUC ASSOC	CH		S085467
TRANSPORTATION, RAIL CARS/VEHICLES NUC ASSOC	CH		
TRANSPORTATION, ROAD CONST CHINESE REDUCED	LA		S085609
TRANSPORTATION, ROAD CONSTRUCTION	LA		S085251
TSELINOGRAD AIRFIELD SAT RECOVERY ASSOC POSS	UR	510718N 0712530E	S085690
TSELINOGRAD AIRFIELD SAT RECOVERY ASSOC POSS	UR	510718N 0712530E	
TSELINOGRAD AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	510110N 0712850E	
TSELINOGRAD AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	510110N 0712850E	
TUNGTAO/TANCHOU RAIL LINE CONSTRUCTION STATUS	CH	2622 N 10940 E	S085202
TYGDA RADIO RELAY STATION	UR	530305N 1261542E	S085694
TYURATAM MTC ICBM SITE V4 LAYOUT/SILO DETAIL	UR	460325N 0630154E	S085417
TYURATAM MTC SPACE SITE B1 CONST ACT UNIQUE	UR	455950N 0633348E	S085380
UFA CHEMICAL PLANT GAS BURNOFF POINT	UR	545040N 0560624E	S085392
UFA PETROLEUM RFY NOVO CHERNIKOVSK WASTE PITS	UR	545552N 0560355E	
ULAANBAATAR RADIO COMMO RECEIVER STATION ANTS	MG	475440N 1064551E	S085652
ULAN UDE AIRFRAME PLT 99 HIP C MODIF INCREASE	UR	515123N 1074344E	S085343

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25X1

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TOP SECRET CHESS RUFF25X1
25X1

TOP SECRET CHESS RUFF

25X1

SUBJECT	COUN	COORD	ACCN NO.
URALSK AIRFIELD SATELLITE RECOVERY ASSOC POSS	UR	511506N 0512555E	S085690
URALSK AIRFIELD SATELLITE RECOVERY ASSOC POSS	UR	511506N 0512555E	
USSURIYSK ARMY BARRACKS NORTH AL2/HQ ARTY DIV	UR	434932N 1315650E	S085574
USSURIYSK ARMY BARRACKS SSE AL1	UR	434409N 1320008E	S084945
VARANGAON AMMUNITION PLT SMALL ARMS AMMO FAC	IN	210232N 0755530E	S085600
VASILKOV AIRFIELD AIRCRAFT BUNKERS	UR	501404N 0301804E	S085685
VILA LUSO ARMY BARRACKS + HQ SA-7 SITE	AO	114700S 0195200E	S085254
VILA LUSO ARMY BARRACKS + HQ SA-7 SITE	AO	114700S 0195200E	
VINNITSA SRF ARMY HEADQUARTERS RDO XMTR BKR	UR	493030N 0280010E	S085200
VLADIMIR SRF ARMY HQ RADCOM XMTR STA BKR HARD	UR	561351N 0400551E	S085378
VLADIVOSTOK ECM FACILITY SE DO-EL-1 ECM RADAR	UR	430615N 1315750E	S085624
VLADIVOSTOK NAVAL RESERVE BASE NOVIK GUBA	UR	430128N 1315142E	S085632
VOLGOGRAD AMMUNITION + TANK DEPOT DA1/DO1	UR	484212N 0442306E	S085261
VORONEZH AIRFIELD SW AIRCRAFT BUNKERS	UR	513710N 0390830E	S085811
VORONEZH AIRFRAME PLANT 64	UR	513819N 0391517E	S085613
VORONEZH ROCKET ENG TEST FAC HRZTL TEST BLDG	UR	513432N 0390945E	S085432
VORONEZH ROCKET ENG TEST FAC LASER RANGE PROB	UR	513432N 0390945E	S085433
VORONEZH ROCKLT ENG TLST FAC LASER RANGE PROB	UR	513432N 0390945E	
VORONEZH ROCKET ENG TEST FAC LASER TEST RANGE	UR	513432N 0390945E	S085400
VORONEZH ROCKET ENG TEST FAC LASER TEST RANGE	UR	513432N 0390945E	
VORONEZH ROCKET ENGINE TEST FACILITY	UR	513432N 0390945E	S085431
VOZNESENSK AIRFIELD AIRCRAFT BUNKERS	UR	473047N 0311536E	S085808

25X1

TOP SECRET CHESS RUFF

25X1
25X1

SUBJECT	COUN	COORD	ACCN NO.
WENSHUI AIRFIELD	CH	372426N 1115756E	5085503
WENSHUI AIRFIELD SUPPORT FACILITY A U/G U/C	CH	372442N 1115523E	
WENSHUI AIRFIELD SUPPORT FACILITY A1 U/G U/C	CH	372437N 1115529E	
WENSHUI AIRFIELD SUPPORT FACILITY A2 U/G U/C	CH	372447N 1115517E	
WUCHAI MTC	CH	384950N 1113620E	5085275
WUCHAI MTC ICBM SITE B CSS-X-4 LDG/UNLDG ACT	CH	385255N 1113527E	5085617
WUCHAI MTC ICBM SITE B CSS-X-4 LDG/UNLDG ACT	CH	385255N 1113527E	5085350
WUCHAI MTC IRBM R+D TRNG SITE A ACTIVITY	CH	384952N 1113618E	5085333
WUCHAI MTC IRBM R+D TRNG SITE A CSS-2 ERECTED	CH	384952N 1113618E	5085339
WUHSING MISSILE PROPULSION R+D CENTER EXPSN	CH	304450N 1200135E	5085609
WUHU SHIPYARD	CH	312102N 1182105E	5085098

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YUANLING AIRCRAFT ENGINE TEST FACILITY PROB	CH	282151N 1102430E	5085612
ZAPOROZHYE AIRCRAFT ENGINE PLANT 478	UR	474928N 0351147E	5085220
ZAPOROZHYE AIRCRAFT ENGINE PLANT 478 DSGN BUR	UR	474928N 0351147E	5085387
ZAPOROZHYE AIRCRAFT ENGINE PLT 478 TEST CELL	UR	474928N 0351147E	5085222
ZVON SIGINT FACILITY	CZ	493425N 0123705E	5085819

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TOP SECRET CHESS RUFF

PART II

Listing of Reports by Originator

TOP SECRET CHESS RUFF

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
AF	BIIR	RFB22-0011-78	JUN 78	14	S085468
AF	BIIR	RFB22-0013-78	06 JUN 78	14	S085471
AF	BIIR	RFB22-0017-78	SEP 78	14	S085470
AF	BIIR	RFB22-0018-78	SEP 78	14	S085472
AF	BIIR	RFB22-5006-78	JUL 78	08	S085469
AF	ENDR	B4517-78	21 JUL 78	13	S085214
AF	ENDR	B4522-78	12 SEP 78	13	S085421
AF	ENDR	B4523-78	06 AUG 78	13	S085415
AF	ENDR	B6539-78	05 SEP 78	13	S085416
AF	ENDR	C4518-78	14 JUL 78	13	S085227
AF	ENDR	C4519-78	19 JUL 78	13	S085221
AF	ENDR	C4520-78	17 AUG 78	13	S085427
AF	ENDR	C4521-78	22 AUG 78	13	S085419
AF	ENDR	C6534-78	08 AUG 78	13	S085420
AF	ENDR	D3508-78	06 JUN 78	13	S085418
AF	ENDR	D3509-78	10 JUL 78	13	S085224
AF	ENDR	D3510-78	10 JUL 78	13	S085226
AF	ENDR	D4515-78	06 JUN 78	13	S085417
AF	ENDR	D6528-78	19 JUN 78	13	S085429
AF	ENDR	D6533-78	11 AUG 78	13	S085204
AF	ENDR	D6535-78	17 AUG 78	14	S085422
AF	ENDR	D6536-78	18 AUG 78	13	S085433

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
AF	ENDR	D6537-78	25 AUG 78	13	S085425
AF	ENDR	E1502-78	30 JUN 78	13	S085287
AF	ENDR	E1506-78	02 AUG 78	13	S085436
AF	ENDR	E3507-78	02 JUN 78	13	S085435
AF	ENDR	E6531-78	14 JUL 78	13	S085201
AF	ENDR	B1510-1-77	JUL 78	13	S085211
AF	ENDR	B1511-1-77	JUL 78	13	S085213
AF	ENDR	C3501-6-70	27 JUL 78	13	S085210
AF	ENDR	C4506-1-77	JUL 78	13	S085216
AF	ENDR	C4523-3-76	JUL 78	13	S085218
AF	ENDR	C4524-1-76	JUL 78	13	S085207
AF	ENDR	C4532-3-69	26 JUL 78	13	S085222
AF	ENDR	C6506-2-76	26 JUL 78	13	S085223
AF	ENDR	C6508-3-75	JUL 78	13	S085215
AF	ENDR	C6509-3-75	JUL 78	13	S085217
AF	ENDR	C6510-4-68	18 AUG 78	13	S085431
AF	ENDR	C6516-6-72	27 JUL 78	13	S085212
AF	ENDR	C6527-1-77	25 JUL 78	13	S085219
AF	ENDR	C6589-6-70	31 JUL 78	13	S085228
AF	ENDR	D4515-1-77	AUG 78	13	S085430
AF	ENDR	D4528-3-72	12 SEP 78	13	S085423

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
AF	ENDR	D4571-1-69	18 AUG 78	13	S085432
AF	ENDR	D6506-3-75	JUL 78	13	S085209
AF	ENDR	D6507-4-75	JUL 78	13	S085208
AF	ENDR	D6510-7-70	25 AUG 78	13	S085424
AF	ENDR	D6511-2-73	15 MAY 78	13	S085434
AF	ENDR	D6514-2-73	AUG 78	13	S085426
AF	ENDR	D6518-1-76	14 JUL 78	13	S085206
AF	ENDR	D6522-6-71	02 AUG 78	13	S085205
AF	ENDR	D6529-1-77	30 AUG 78	13	S085428
AF	ENDR	D6530-7-71	26 JUL 78	13	S085220
AF	ENDR	E1510-5-72	14 JUL 78	13	S085396
AF	PAR	550-78	18 JUL 78	13	S085386
AF	PAR	610-78	06 SEP 78	13	S085399
AF	PAR	613-78	01 SEP 78	13	S085398
AF	PAR	622-78	12 SEP 78	13	S085383
AF	PAR	630-78	02 AUG 78	13	S085390
AF	PAR	633-78	03 AUG 78	13	S085388
AF	PAR	634-78	01 AUG 78	13	S085391
AF	PAR	639-78	03 AUG 78	13	S085380
AF	PAR	640-78	01 AUG 78	13	S085382
AF	PAR	641-78	03 AUG 78	13	S085389
AF	PAR	642-78	31 JUL 78	13	S085387

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
AF	PAR	643-78	31 JUL 78	13	5085379
AF	PAR	644-78	03 AUG 78	13	5085385
AF	PAR	645-78	07 AUG 78	13	5085199
AF	PAR	646-78	07 AUG 78	13	5085384
AF	PAR	647-78	08 AUG 78	13	5085378
AF	PAR	648-78	03 AUG 78	13	5085225
AF	PAR	649-78	17 AUG 78	13	5085198
AF	PAR	650-78	07 AUG 78	13	5085381
AF	PAR	652-78	31 AUG 78	13	5085401
AF	PAR	653-78	07 SEP 78	13	5085403
AF	PAR	654-78	16 AUG 78	13	5085202
AF	PAR	655-78	17 AUG 78	13	5085200
AF	PAR	656-78	06 SEP 78	14	5085408
AF	PAR	657-78	17 AUG 78	13	5085203
AF	PAR	658-78	29 AUG 78	13	5085394
AF	PAR	659-78	17 AUG 78	13	5085376
AF	PAR	660-78	12 SEP 78	13	5085400
AF	PAR	661-78	29 AUG 78	13	5085393
AF	PAR	662-78	29 AUG 78	13	5085392
AF	PAR	663-78	01 SEP 78	13	5085411
AF	PAR	664-78	13 SEP 78	13	5085409

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
AF	PAR	665-78	01 SEP 78	13	S085414
AF	PAR	666-78	01 SEP 78	13	S085404
AF	PAR	667-78	06 SEP 78	13	S085407
AF	PAR	668-78	13 SEP 78	13	S085410
AF	PAR	669-78	06 SEP 78	13	S085377
AF	PAR	670-78	06 SEP 78	13	S085395
AF	PAR	671-78	12 SEP 78	13	S085406
AF	PAR	673-78	14 SEP 78	13	S085412
AF	PAR	674-78	18 SEP 78	13	S085405
AF	PAR	675-78	12 SEP 78	13	S085413
AF	PAR	677-78	18 SEP 78	13	S085402
AF	REPT	8-78	01 AUG 78	05	S085260
AF	STDY	FTD2610R-341-78	04 SEP 78	25	S085281
ARMY	BIIR	RAC24-0005-78	SEP 78	14	S085739
ARMY	DSIIR	RAC24-3006-78	JUN 78	25	S085254
ARMY	PIM	PIM053-78	26 SEP 78	14	S085246
ARMY	PIM	PIM060-78	31 AUG 78	14	S085248
ARMY	PIM	PIM061-78	31 AUG 78	14	S085249
ARMY	PIM	PIM064-78	SEP 78	14	S085247
ARMY	PIM	PIM070-78	04 OCT 78	14	S085250

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
CIA	BIIR	RCS13-0008-78	OCT 78	13	5085499
CIA	IRP	IS10210J-78	SEP 78	24	5085071
CIA	IRP	IS10237K-78	OCT 78	14	5085500
CIA	NOTE	ISSN0008K-78	08 NOV 78	14	5085609
DIA	BIIB	BDA10-0001-78	OCT 78	14	5085494
DIA	BIIB	BDA11-0004-77	AUG 78	14	5085073
DIA	BIIR	RDA05-0001-78	NOV 78	14	5085503
DIA	BIIR	RDA05-0003-78	OCT 78	14	5085597
DIA	BIIR	RDA05-0004-78	OCT 78	14	5085536
DIA	BIIR	RDA05-0008-78	NOV 78	14	5085740
DIA	BIIR	RDA05-0011-78	OCT 78	14	5085595
DIA	BIIR	RDA05-0012-78	OCT 78	14	5085505
DIA	BIIR	RDA05-0013-78	OCT 78	14	5085506
DIA	BIIR	RDA05-0014-78	OCT 78	14	5085508
DIA	BIIR	RDA06-0001-78	OCT 78	14	5085504
DIA	BIIR	RDA10-0003-78	OCT 78	14	5085498
DIA	BIIR	RDA11-0003-78	OCT 78	14	5085507
DIA	BIIR	RDA11-0007-77	OCT 78	14	5085493

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
DIA	BIIR	RDA11-0008-77	SEP 78	14	S085089
DIA	BIIR	RDA11-0010-78	OCT 78	14	S085593
DIA	BIIR	RDA11-0015-78	NOV 78	14	S085599
DIA	BIIR	RDA11-0016-77	NOV 78	14	S085607
DIA	BIIR	RDA11-0021-77	SEP 78	14	S085074
DIA	BIIR	RDA11-0022-77	SEP 78	14	S085096
DIA	BIIR	RDA11-0028-77	NOV 78	14	S085610
DIA	IAPPR	207-78	31 AUG 78	14	S085267
DIA	IAPPR	212-78	12 SEP 78	24	S085256
DIA	IAPPR	216-78	15 SEP 78	14	S085255
DIA	IAPPR	221-78	26 SEP 78	25	S085259
DIA	IAPPR	226-78	30 SEP 78	25	S085258
DIA	IIM	5B1-50511-78	NOV 78	14	S085692
DIA	IIM	5B1-50520-78	14 DEC 78	14	S085924
DIA	IIM	5B1-50530-78	27 NOV 78	14	S085693
DIA	IIM	5B1-50536-78	22 NOV 78	14	S085691
DIA	IIM	5B1-50543-78	30 NOV 78	14	S085814
DIA	IIM	5B1-50679-78	14 DEC 78	14	S085923
DIA	IIM	5B1-50681-78	08 DEC 78	14	S085878
DIA	IIM	5B1-50725-78	19 DEC 78	14	S085918
DIA	IIM	5B3-50508-78	28 NOV 78	13	S085690
DIA	IIM	5B3-50510-78	21 NOV 78	13	S085688

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
DIA	IIM	5B3-50525-78	27 NOV 78	13	5085687
DIA	IIM	5B3-50531-78	21 NOV 78	13	5085689
DIA	IIM	5B3-50539-78	22 NOV 78	13	5085685
DIA	IIM	5B3-50540-78	22 NOV 78	13	5085683
DIA	IIM	5B3-50552-78	29 NOV 78	14	5085813
DIA	IIM	5B3-50558-78	04 DEC 78	13	5085818
DIA	IIM	5B3-50561-78	27 NOV 78	13	5085686
DIA	IIM	5B3-50565-78	29 NOV 78	13	5085812
DIA	IIM	5B3-50566-78	04 DEC 78	13	5085816
DIA	IIM	5B3-50569-78	04 DEC 78	13	5085807
DIA	IIM	5B3-50572-78	04 DEC 78	13	5085817
DIA	IIM	5B3-50576-78	04 DEC 78	13	5085815
DIA	IIM	5B3-50578-78	04 DEC 78	13	5085805
DIA	IIM	5B3-50580-78	04 DEC 78	13	5085806
DIA	IIM	5B3-50637-78	22 NOV 78	13	5085684
DIA	IIM	5B3-50669-78	04 DEC 78	13	5085811
DIA	IIM	5B3-50676-78	05 DEC 78	13	5085810
DIA	IIM	5B3-50678-78	06 DEC 78	13	5085808
DIA	IIM	5B3-50680-78	06 DEC 78	14	5085809
DIA	IIM	5B3-50701-78	15 DEC 78	13	5085920
DIA	IIM	5B3-50703-78	15 DEC 78	13	5085921

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
DIA	IIM	5B3-50703-78	12 DEC 78	13	S085876
DIA	IIM	5B3-50704-78	12 DEC 78	13	S085875
DIA	IIM	5B3-50708-78	15 DEC 78	13	S085922
DIA	IIM	5B3-50709-78	12 DEC 78	13	S085877
DIA	IIM	5B3-50710-78	19 DEC 78	13	S085919
DIA	IIM	5B3-50722-78	14 DEC 78	14	S085925
DIA	NBRG	NDA06-5001-78	21 NOV 78	05	S085629
DIA	NBRG	NDA06-5002-78	21 NOV 78	05	S085630
DIA	NBRG	NDA06-5003-78	27 NOV 78	05	S085631
DIA	NBRG	NDA06-5004-78	27 NOV 78	05	S085632
DIA	NBRG	NDA06-5005-78	29 NOV 78	05	S085635
DIA	NBRG	NDA06-5006-78	29 NOV 78	05	S085636
DIA	NBRG	NDA06-5007-78	27 NOV 78	05	S085650
DIA	NBRG	NDA06-5008-78	27 NOV 78	05	S085651
DIA	NBRG	NDA06-5009-78	29 NOV 78	05	S085633
DIA	NBRG	NDA06-5010-78	29 NOV 78	05	S085634
DIA	NBRG	NDA06-5011-78	21 NOV 78	05	S085677
DIA	NBRG	NDA06-5012-78	21 NOV 78	05	S085678
DIA	NBRG	NDA06-5013-78	21 NOV 78	05	S085679
DIA	NBRG	NDA06-5014-78	21 NOV 78	05	S085680
DIA	NBRG	NDA06-5135-77	30 NOV 78	05	S085681
DIA	NBRG	NDA06-5136-77	30 NOV 78	05	S085682

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA06-5137-77	26 SEP 78		04	5085097
DIA	NBRG	NDA06-5138-77	26 SEP 78		04	5085098
DIA	NBRG	NDA07-5093-78	22 SEP 78		05	5085057
DIA	NBRG	NDA07-5094-78	22 SEP 78		05	5085058
DIA	NBRG	NDA07-5095-78	22 SEP 78		05	5085059
DIA	NBRG	NDA07-5096-78	22 SEP 78		05	5085060
DIA	NBRG	NDA07-5097-78	22 SEP 78		05	5085061
DIA	NBRG	NDA07-5098-78	22 SEP 78		05	5085062
DIA	NBRG	NDA07-5099-78	22 SEP 78		05	5085063
DIA	NBRG	NDA07-5101-78	22 SEP 78		05	5085050
DIA	NBRG	NDA07-5102-78	22 SEP 78		05	5085051
DIA	NBRG	NDA07-5103-78	22 SEP 78		05	5085052
DIA	NBRG	NDA07-5104-78	22 SEP 78		05	5085053
DIA	NBRG	NDA07-5105-78	22 SEP 78		05	5085054
DIA	NBRG	NDA07-5106-78	22 SEP 78		05	5085055
DIA	NBRG	NDA07-5107-78	22 SEP 78		05	5085056
DIA	NBRG	NDA07-5221-78	16 NOV 78		05	5084944
DIA	NBRG	NDA07-5222-78	16 NOV 78		05	5084945
DIA	NBRG	NDA07-5223-78	16 NOV 78		05	5085574
DIA	NBRG	NDA07-5224-78	30 NOV 78		05	5085697
DIA	NBRG	NDA07-5225-78	30 NOV 78		05	5085698

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA07-5226-78	30 NOV 78		05	S085699
DIA	NBRG	NDA07-5227-78	30 NOV 78		05	S085700
DIA	NBRG	NDA07-5228-78	30 NOV 78		05	S085701
DIA	NBRG	NDA07-5229-78	30 NOV 78		05	S085702
DIA	NBRG	NDA07-5230-78	30 NOV 78		05	S085703
DIA	NBRG	NDA07-5231-78	30 NOV 78		05	S085704
DIA	NBRG	NDA07-5232-78	30 NOV 78		05	S085705
DIA	NOTE	TCS-22300-78	07 DEC 78		13	S085879
DIA	REPT	IAR003-78	OCT 78		14	S085589
DIA	STDY	DDB1030-007-78	OCT 78		24	S085576
DIA	STDY	DDB1200-133-78	SEP 78		25	S085268
DIA	STDY	DDB2680-22A-78	SEP 78		25	S085257
DIA	STDY	DDB2680-238-78	AUG 78		25	S085269
DIA	STDY	DST1000C-555-78	30 SEP 78		25	S085585
DIA	STDY	DST1000S-013-78	JUL 78		25	S085279
DIA	STDY	DST1000S-267-78	25 AUG 78		25	S085276
DIA	STDY	DST1010S-315-78	03 OCT 78		14	S085577
DIA	STDY	DST1070B-002-78	SEP 78		14	S085270
DIA	STDY	DST1070S-231-78	28 AUG 78		25	S085275
DIA	STDY	DST1170R-396-78	MAY 78		25	S085280
DIA	STDY	DST1340S-432-78	28 AUG 78		13	S085277
DIA	STDY	DST1400S-237-78	11 SEP 78		25	S085272

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	STDY	DST1450S-264-78	05 SEP 78		25	S085273
DIA	STDY	DST1720R-165-78	15 SEP 78		25	S085274
DIA	STDY	DST2610R-358-78	15 SEP 78		25	S085271

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
NPIC	BIIR	RCA09-0022-77	SEP 78	25	S085076
NPIC	BIIR	RCA09-0025-78	SEP 78	25	S085105
NPIC	BIIR	RCA09-0027-78	SEP 78	25	S085104
NPIC	BIIR	RCA09-0030-78	OCT 78	25	S085496
NPIC	BIIR	RCA09-0032-78	NOV 78	14	S085608
NPIC	BIIR	RCA09-0034-78	NOV 78	14	S085657
NPIC	BIIR	RCA09-0036-78	NOV 78	25	S085653
NPIC	BIIR	RCA09-0037-78	NOV 78	14	S085613
NPIC	BIIR	RCA09-0038-78	NOV 78	14	S085612
NPIC	BIIR	RCA09-0040-78	NOV 78	14	S085656
NPIC	BIIR	RCA15-0003-78	SEP 78	25	S085103
NPIC	BRAD		SEP 78	14	S085330
NPIC	BRAD		OCT 78	14	S085331
NPIC	BRAD		OCT 78	14	S085332
NPIC	BRAD		OCT 78	14	S085333
NPIC	BRAD		OCT 78	14	S085334
NPIC	BRAD		OCT 78	14	S085335
NPIC	BRAD		OCT 78	14	S085336
NPIC	BRAD		OCT 78	14	S085337
NPIC	BRAD		OCT 78	14	S085338
NPIC	BRAD		OCT 78	14	S085339
NPIC	BRAD		OCT 78	14	S085340

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ORIG	TYPE	DATE	SEC CLASS	ACCN NO.
NPIC	BRAD	OCT 78	14	5085341
NPIC	BRAD	OCT 78	14	5085342
NPIC	BRAD	OCT 78	14	5085343
NPIC	BRAD	OCT 78	14	5085344
NPIC	BRAD	OCT 78	14	5085345
NPIC	BRAD	OCT 78	14	5085346
NPIC	BRAD	OCT 78	14	5085347
NPIC	BRAD	OCT 78	14	5085348
NPIC	BRAD	OCT 78	14	5085349
NPIC	BRAD	OCT 78	14	5085350
NPIC	BRAD	OCT 78	14	5085351
NPIC	BRAD	OCT 78	14	5085352
NPIC	BRAD	OCT 78	14	5085515
NPIC	BRAD	OCT 78	14	5085511
NPIC	BRAD	OCT 78	14	5085512
NPIC	BRAD	OCT 78	14	5085513
NPIC	BRAD	OCT 78	14	5085514
NPIC	BRAD	OCT 78	14	5085516
NPIC	BRAD	OCT 78	14	5085517
NPIC	BRAD	OCT 78	14	5085518
NPIC	BRAD	OCT 78	14	5085519

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ORIG	TYPE	DATE	SEC CLASS	ACCN NO.
NPIC	BRAD	OCT 78	14	S085520
NPIC	BRAD	OCT 78	14	S085521
NPIC	BRAD	OCT 78	14	S085522
NPIC	BRAD	OCT 78	14	S085523
NPIC	BRAD	NOV 78	14	S085623
NPIC	BRAD	NOV 78	14	S085624
NPIC	BRAD	NOV 78	14	S085625
NPIC	BRAD	NOV 78	14	S085626
NPIC	BRAD	NOV 78	14	S085614
NPIC	BRAD	NOV 78	14	S085615
NPIC	BRAD	NOV 78	14	S085616
NPIC	BRAD	NOV 78	14	S085617
NPIC	BRAD	NOV 78	14	S085618
NPIC	BRAD	NOV 78	14	S085619
NPIC	BRAD	NOV 78	14	S085620
NPIC	BRAD	NOV 78	14	S085621
NPIC	BRAD	NOV 78	14	S085622
NPIC	IIR	IIR068-78 20 SEP 78	25	S085095
NPIC	IIR	IIR069-78 20 SEP 78	14	S085094
NPIC	IIR	IIR070-78 21 SEP 78	14	S085093
NPIC	IIR	IIR072-78 27 SEP 78	14	S085102
NPIC	IIR	IIR073-78 27 SEP 78	14	S085101

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
NPIC	IIR	IIR086-78	25 OCT 78	14	S085497
NPIC	IIR	IIR087-78	27 OCT 78	14	S085491
NPIC	IIR	IIR088-78	27 OCT 78	14	S085492
NPIC	IIR	IIR089-78	07 NOV 78	14	S085604
NPIC	IIR	IIR090-78	14 NOV 78	14	S085605
NPIC	IIR	IIR091-78	17 NOV 78	14	S085658
NPIC	MEMO		27 NOV 78	14	S085694
NPIC	MEMO		28 NOV 78	14	S085695
NPIC	MEMO		28 NOV 78	13	S085278
NPIC	MEMO		21 NOV 78	25	S085652
NPIC	MEMO		20 NOV 78	14	S085627
NPIC	MEMO		20 NOV 78	14	S085628
NPIC	MEMO		28 NOV 78	14	S085696
NPIC	MEMO		05 DEC 78	14	S085803
NPIC	MEMO		05 DEC 78	14	S085804
NPIC	MEMO		05 DEC 78	14	S085819
NPIC	MEMO		05 DEC 78	14	S085820
NPIC	MEMO		07 DEC 78	14	S085871
NPIC	MEMO		08 DEC 78	14	S085872
NPIC	MEMO		20 DEC 78	14	S085932
NPIC	MEMO		24 DEC 78	14	S085933

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ORIG	TYPE	REPT NO.	DATE	SEC CLASS	ACCN NO.
NPIC	MEMO		08 DEC 78	14	S085873
NPIC	MEMO		12 DEC 78	14	S085874
NPIC	MEMO		13 DEC 78	14	S085864
NPIC	MEMO		13 DEC 78	14	S085907
NPIC	MEMO		15 DEC 78	14	S085908
NPIC	MEMO		15 DEC 78	14	S085909
NPIC	MEMO		15 DEC 78	14	S085931
NPIC	MEMO		19 DEC 78	14	S085917
NPIC	PIR	PIR041-78	SEP 78	14	S085090
NPIC	SR	SR065-78	SEP 78	14	S085075
NPIC	SR	SR066-78	SEP 78	14	S085091
NPIC	SR	SR067-78	SEP 78	14	S085092
NPIC	SR	SR072-78	OCT 78	25	S085495
NPIC	SR	SR073-78	NOV 78	14	S085601
NPIC	SR	SR074-78	NOV 78	14	S085598
NPIC	SR	SR075-78	NOV 78	05	S085600
NPIC	SR	SR076-78	NOV 78	14	S085606
NPIC	SR	SR077-78	NOV 78	14	S085602
NPIC	SR	SR078-78	NOV 78	14	S085611
NPIC	SR	SR079-78	NOV 78	14	S085654
NPIC	SR	SR080-78	NOV 78	14	S085655

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PART III
Listing of Reports by General Subject

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	AIN OUSSERA AIRFIELD FOXBAT MIG-25 IDENT	AG	353123N 0025246E	S085337
05	AIRCRAFT, BEAR D TU-95 DEPLOYMENT	CU		S085259
05	AIRCRAFT, CANDID IL-76 AWAC MODIFICATIONS	UR		S085513
05	AIRCRAFT, CANDID IL-76 AWAC MODIFICATIONS	UR		S085515
05	AIRCRAFT, CHECH A	UR		S085277
05	AIRCRAFT, CHECH B	UR		
05	AIRCRAFT, CHUCK B	UR		
05	AIRCRAFT, CHUCK C	UR		
05	AIRCRAFT, CHUCK D	UR		
05	AIRCRAFT, CUB AN-12 + COKE AN-24 PODS U/I	UR		S085602
05	AIRCRAFT, DEVELOPMENTS	CH		S085257
05	AIRCRAFT, DEVELOPMENTS	UR		S085269
05	AIRCRAFT, FISHPOT B/C SU-9/11 ARMAMENT SRCH	UR		S085394
05	AIRCRAFT, HELICOPTER MIL-DESIGNED NEW PROB	UR		S085658
05	AIRCRAFT, HIP C MI-8 MODIFICATIONS	UR		S085075
05	AIRCRAFT, KASP A	UR		S085277
05	AIRCRAFT, KASP B	UR		
05	AIRCRAFT, PRODUCTION PLANTS	CH		S085258
05	AIRCRAFT, RAM K	UR		S085415
05	AIRCRAFT, RAM K NEW PROB	UR		S085761
05	AIRCRAFT, TAG A	UR		S085470
05	AIRCRAFT, TAG A	UR		S085277
05	AIRCRAFT, TAG B	UR		
05	AIRCRAFT, WING-IN-GROUND EFFECT SYS TRENDS	UR		

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	AIRFIELDS, SATELLITE RECOVERY OPS ASSOC POSS	UR		S085690
05	AKTYUBINSK AIRFIELD SAT RECOVERY ASSOC POSS	UR	501447N 0571218E	
05	ARKHANGELSK/KHOLM AIRFIELD	UR	642252N 0404328E	S085595
05	ARKHANGELSK/KHOLM SEAPLANE STATION	UR	642320N 0404100E	
05	ASEB AIRFIELD UPGRADING SOVIET	ET	130412N 0423818E	S085267
05	AYAGUZ AIRFIELD CUB AN-12	UR	475503N 0802710E	S085346
05	BAGHDAD AIR DEPOT M-1974 122MM SP GUN SHPMT	IZ	333125N 0441425E	S085523
05	BLAGOYEVO AIRFIELD AIRCRAFT BUNKERS	UR	465337N 0304151E	S085816
05	BLAGOYEVO AIRFIELD HIP C MI-8 MODIFIED IDENT	UR	465337N 0304151E	S085075
05	BUCURESTI AIRFRAME PLANT BANEASA	RO	443011N 0260550E	S085608
05	BUCURESTI/BANEASA AIRFIELD	RO	443011N 0260550E	
05	CHENG TU AIRFRAME PLANT 132	CH	304227N 1035747E	S085258
05	CHENG TU/CHIUNGLAI AIRFIELD	CH	302921N 1032800E	S085506
05	CHERVONO GLINSKOYE AIRFIELD AIRCRAFT BUNKERS	UR	455650N 0292239E	S085686
05	CHOYBALSAN AIRFIELD NE SA-7 SITE	MG	480802N 1143847E	S085254
05	DUBNO AIRFIELD NE AIRCRAFT BUNKERS	UR	502645N 0255017E	S085875
05	EL ASNAM AIRFIELD SA-6 REGIMENT IDENT	AG	361239N 0012000E	S085620
05	GREEM BELL OSTROV AIRFIELD OBJECTS U/I	UR	810838N 0641600E	S085266
05	HOLGUIN AIRFIELD FLOGGER MIG-23 IDENT	CU	204707N 0761854W	S085625
05	IVANO FRANKOVSK AIRFIELD AIRCRAFT BUNKERS	UR	485317N 0244130E	S085920
05	KARAGANDA AIRFIELD SE SAT RECOVERY ASSOC POSS	UR	494755N 0730831E	S085690

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	KAZAN AIRCRAFT ENGINE PLANT 16	UR	555119N 0490620E	S085076
05	KHARKOV AIRFRAME PLANT 135	UR	500129N 0361542E	S085105
05	KOTLAS AIRFIELD SOUTH	UR	605947N 0465224E	S085597
05	KRYMSK AIRFIELD AIRCRAFT BUNKERS	UR	445750N 0380005E	S085684
05	KUBINKA AIRFIELD AIRCRAFT BUNKERS	UR	553645N 0363855E	S085806
05	KUCHENG AIRCRAFT ENGINE TEST FACILITY	CH	320410N 1114620E	S085657
05	KUSTANAY AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	531226N 0633252E	S085690
05	KUZNETSOVO AIRCRAFT ENGINE TEST FAC PROB U/C	UR	553226N 0382941E	S085429
05	KUZNETSOVO AIRCRAFT ENGINE TEST FAC PROB U/C	UR	553226N 0382941E	S085383
05	LIMANSKOYE AIRFIELD AIRCRAFT BUNKERS	UR	464007N 0300042E	S085818
05	LUANDA AIRFIELD SA-7 SITE	AO	085111S 0131431E	S085254
05	LUTSK AIRFIELD NORTH AIRCRAFT BUNKERS	UR	504720N 0252050E	S085921
05	LYUBERTSY HELICOPTER EXPERIMENTAL PLANT KAMOV	UR	554154N 0375242E	S085385
05	LYUBERTSY HELICOPTER EXPERIMENTAL PLANT KAMOV	UR	554154N 0375242E	S085219
05	MALYAVR AIRFIELD FORGER YAK-36 AIRCRAFT SHLTR	UR	685208N 0334300E	S085876
05	MARKULESHTY AIRFIELD AIRCRAFT BUNKERS	UR	475146N 0281248E	S085807
05	MINSK/MACHULISHCHE AIRFIELD AS-4 MODIF POSS	UR	534626N 0273442E	S085381

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05	MOLODEZHNYA AIRFIELD NEW	AY	6740 S 04551 E	S085925
05	MOSKVA AIRCRAFT ENG EXPMT PLT LUZNETSKAYA 300	UR	554254N 0373415E	S085205
05	MOSKVA AIRCRAFT ENG EXPMT PLT LUZNETSKAYA 300	UR	554254N 0373415E	S085225
05	MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165	UR	554935N 0373935E	S085403

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165	UR	554935N 0373935E	S085420
05	MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156	UR	554542N 0374034E	S085384
05	MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156	UR	554542N 0374034E	S085228
05	MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC	UR	554000N 0375600E	S085389
05	MOSKVA MILITARY DSGN BUR + A/C EXPMT HELI NEW	UR	554000N 0375600E	S085658
05	MUKACHEVO AIRFIELD AIRCRAFT BUNKERS	UR	482358N 0224115E	S085922
05	NACALA AIRFIELD SA-7 SITE	MZ	142848S 0404231E	S085254
05	NASOSNY AIRFIELD AIRCRAFT BUNKERS	UR	403534N 0493322E	S085689
05	NEZHIN AIRFIELD	UR	510519N 0315207E	S085508
05	NOVOSIBIRSK AIRFRAME PLANT CHKALOV 153	UR	550401N 0825910E	S085496
05	OLENEGORSK AIRFIELD	UR	680908N 0332743E	S085505
05	ORENBURG AIRFIELD CIVIL SAT RECOVERY ASSOC	UR	514645N 0551921E	S085690
05	ORENBURG AIRFIELD NE SAT RECOVERY ASSOC POSS	UR	515827N 0553256E	
05	ORENBURG AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	513920N 0550441E	
05	ORENBURG AIRFIELD SW SAT RECOVERY ASSOC POSS	UR	514258N 0550118E	
05	OSTROV/GOROKHOVKA AIRFIELD	UR	571748N 0282555E	S085536

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05	PETROPAVLOVSK/YELIZOVO AIRFIELD ACTIVITY	UR	530957N 1582713E	S085687
05	POCHINOK AIRFIELD AIRCRAFT BUNKERS	UR	542027N 0322828E	S085805
05	PRAVDINSK AIRFIELD AIRCRAFT BUNKER	UR	563119N 0432853E	S085815
05	RAMENSKOYE FLIGHT TEST CENTER AREA 5	UR	553238N 0380710E	S085434
05	RAMENSKOYE FLIGHT TEST CENTER AREA 5	UR	553238N 0380710E	S085435

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	RAMENSKOYE FLIGHT TEST CENTER AREA 5	UR	553238N 0380710E	S085398
05	RAMENSKOYE FLIGHT TEST CENTER RAM K NEW IDENT	UR	553418N 0380923E	S085761
05	ROSTOV AIRFIELD NW AIRCRAFT BUNKERS	UR	471646N 0393812E	S085683
05	SAN ANTONIO DE LOS BANOS AIRFIELD FLOGGER	CU	225217N 0823036W	S085616
05	SEVASTOPOL/BELBEK AIRFIELD AIRCRAFT BUNKERS	UR	444127N 0333422E	S085817
05	SHAOYANG/LIANGSHIHTANG AIRFIELD	CH	271332N 1114017E	S085740
05	SHENYANG AIRCRAFT ENG PLANT 410 SAM PROD SRCH	CH	414740N 1232950E	S085252
05	SHENYANG AIRCRAFT ENGINE PLANT 410	CH	414740N 1232950E	S085258
05	SHENYANG AIRFRAME PLANT 112	CH	415208N 1232600E	S085656
05	SHENYANG AIRFRAME PLANT 112	CH	415208N 1232600E	S085258
05	SHENYANG AIRFRAME PLANT 112 SAM PROD/DEV SRCH	CH	415208N 1232600E	S085252
05	STARO KONSTANTINOV AIRFIELD AIRCRAFT BUNKERS	UR	494456N 0271614E	S085919
05	STRYY AIRFIELD AIRCRAFT BUNKERS	UR	491443N 0234726E	S085877
05	TAGANROG AIRFRAME PLANT 86 CANDID MODIF IDENT	UR	471150N 0385220E	S085515
05	TAGANROG AIRFRAME PLANT 86 CANDID ODDIF IDENT	UR	471150N 0385220E	S085513
05	TIRASPOL AIRFIELD AIRCRAFT BUNKERS	UR	465206N 0293528E	S085810
05	TSELINOGRAD AIRFIELD SAT RECOVERY ASSOC POSS	UR	510718N 0712530E	S085690
05	TSELINOGRAD AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	510110N 0712850E	
05	ULAN UDE AIRFRAME PLT 99 HIP C MODIF INCREASE	UR	515123N 1074344E	S085343
05	URALSK AIRFIELD SATELLITE RECOVERY ASSOC POSS	UR	511506N 0512555E	S085690
05	VASILKOV AIRFIELD AIRCRAFT BUNKERS	UR	501404N 0301804E	S085685
05	VORONEZH AIRFIELD SW AIRCRAFT BUNKERS	UR	513710N 0390830E	S085811

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	VORONEZH AIRFRAME PLANT 64	UR	513819N 0391517E	S085613
05	VOZNESENSK AIRFIELD AIRCRAFT BUNKERS	UR	473047N 0311536E	S085808
05	WENSHUI AIRFIELD	CH	372426N 1115756E	S085503
05	WENSHUI AIRFIELD SUPPORT FACILITY A U/G U/C	CH	372442N 1115523E	
05	WENSHUI AIRFIELD SUPPORT FACILITY A1 U/G U/C	CH	372437N 1115529E	
05	WENSHUI AIRFIELD SUPPORT FACILITY A2 U/G U/C	CH	372447N 1115517E	
05	YUANLING AIRCRAFT ENGINE TEST FACILITY PROB	CH	282151N 1102430E	S085612
05	ZAPOROZHYE AIRCRAFT ENGINE PLANT 478	UR	474928N 0351147E	S085220
05	ZAPOROZHYE AIRCRAFT ENGINE PLANT 478 DSGN BUR	UR	474928N 0351147E	S085387
05	ZAPOROZHYE AIRCRAFT ENGINE PLT 478 TEST CELL	UR	474928N 0351147E	S085222
10	BAHIA DE PORTETE NARCOTICS TRANSSHIPMENT AREA	CO	121030N 0715530W	S085621
10	GREEM BELL OSTROV AIRFIELD OBJECTS U/I	UR	810838N 0641600E	S085266
10	GRYFICE U/I INSTALLATION INSTITUTIONAL PROB	PL	535530N 0511045E	S085878
10	LONG XUYEN/CAO LANH FLOODING EXTENSIVE	VM	1032 N 10527 E	S085352
10	MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT	UR	535131N 0273931E	S085614
25	ARKHANGELSK/KHOLM AIRFIELD GCA SITE	UR	642252N 0404328E	S085595
25	ARKHANGELSK/KHOLM EW RADAR FACILITY	UR	642320N 0403920E	
25	ARKHANGELSK/KHOLM NAVAL AVIATION CP BUNKERED	UR	642310N 0404320E	
25	BOLSHAYA RECHKA RADIO RELAY STATION	UR	515750N 1061745E	S085933
25	CHAADAYEVKA ALTERNATE HEADQUARTERS PENZA EAST	UR	530832N 0460547E	S085908

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
25	CHANGHWA DONG SIGINT FACILITY	KN	380450N 1264325E	S085250
25	CHITA SRF ARMY HQ RADIO COMMO XMTR HARD ANTS	UR	520324N 1601137E	S085407
25	DERAZHNYA LAUNCH CONTROL, FACIL DD LCC REMOVED	UR	491852N 0272650E	S085331
25	DERAZHNYA LAUNCH CONTROL FACILITY DD CONST	UR	491852N 0272650E	S085619
25	DUNAY RADIO RELAY STATION	UR	425055N 1321905E	S085874
25	DYLEN TILLENBERG SIGINT COLLECTION FACILITY	CZ	495812N 0123019E	S085819
25	DZHANGYPAKHTA NAVAL RADIO COMMO RCVR STA BKR	UR	430448N 0741012E	S085804
25	EL ASNAM AIRFIELD AW RADAR FACILITY IDENT	AG	361239N 0012000E	S085620

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25	ELECTRONICS, ANTENNAS HARD	UR		S085287
25	ELECTRONICS, ANTENNAS HARDENED ICBM ASSOC	UR		S085386
25	ELECTRONICS, AR-EL-1 RADIO INTERCEPT/DF RCVR	UR		S085739
25	ELECTRONICS, AR-EL-1 RADIO INTERCEPT/DF RCVR	UR		S085739
25	ELECTRONICS, COMMAND CONTROL SYSTEM AIR DEF	KN		S085271
25	ELECTRONICS, DEVELOPMENTS	UR		S085269

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25	ELECTRONICS, HF COMMUNICATIONS SYSTEM	UR		S085281
25	ELECTRONICS, NAN CHING A AW RADAR	CH		S085760
25	ELECTRONICS, PLANAR RADARS PECHORA EAST/WEST	UR		S085472
25	ELECTRONICS, RADAR DEPLOYMENT SA-4/6 UNIT HQ	UR		S085280
25	ELECTRONICS, SPACE SYSTEMS CONTROL	UR		S085273

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
25	ELECTRONICS, TOWER COMPARISONS MISSILE SITES	UR		S085395
25	FASTOV RADIO RELAY STATIONS SEARCH	UR	5005 N 02955 E	S085907
25	GORKIY RADIO RELAY/TV/FM BROADCAST CENTER	UR	561824N 0435945E	S085931
25	GORKIY RADIO RELAY/TV/FM BROADCAST CENTER	UR	561824N 0435945E	
25	HAVARN SIGINT FACILITY	CZ	494446N 0122540E	S085819
25	INGODA RADIO RELAY STATION	UR	515055N 1130520E	S085873
25	IVANKOVO ELECTRONICS R+D FAC WIND TUNNEL SUSP	UR	564350N 0370600E	S085388
25	IVANKOVO ELECTRONICS R+D FAC WIND TUNNEL SUSP	UR	564350N 0370600E	S085227
25	IVANKOVO ELECTRONICS R+D FACILITY PROB	UR	564350N 0370600E	S085206
25	KAPUSTIN YAR MTC ELECTRONICS EQUIPMENT	UR	484107N 0455853E	S085395
25	KAPUSTIN YAR MTC INSTRUMENTATION SITE A6	UR	484130N 0461400E	S085198
25	KHILOK RADIO RELAY STATION	UR	512020N 1102630E	S085933
25	KHOKOTUY RADIO RELAY STATION	UR	511430N 1093330E	
25	KOTLAS AIRFIELD SOUTH GCA SITE	UR	605915N 0465255E	S085597
25	KOTLAS AIRFIELD SOUTH GCI SITE	UR	605900N 0465700E	
25	KOTLAS RADIO RELAY + TV STATION	UR	611410N 0463730E	S085909
25	KOTLAS RADIO RELAY + TV STATION	UR	611410N 0463730E	
25	KRASNODAR TV + FM BROADCAST CENTER	UR	450130N 0390020E	S085917
25	KRASNYE BAKI RADIO RELAY + TV BROADCAST STA	UR	570535N 0450840E	S085931
25	KRASNYE BAKI RADIO RELAY + TV BROADCAST STA	UR	570535N 0450840E	
25	LEIPEI VLF/LF RADIO COMMO XMTR STATION BKR	CH	212848N 1101528E	S085249
25	LEIYANG RADIO COMMUNICATIONS XMTR STA WEST	CH	263456N 1125103E	S085248
25	LESNOY NAVAL RADIO COMMO XMTR STATION BKR	UR	531314N 1580227E	S085696
25	LLINKA RADIO RELAY STATION	UR	520519N 1071626E	S085933

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
25	LOURDES MILITARY HQ TORRENS ELECTRONICS FACIL	CU	225938N 0822755W	S085259
25	MICHURINSK TV RELAY STATION	UR	525348N 0402955E	S085909
25	MOSKVA/SHCHELKOVO ESV TRACKING FACILITY	UR	555644N 0375803E	S085628
25	NANNING RADIO COMMUNICATIONS RCVR STA NORTH	CH	225241N 1081736E	S085247
25	NAZRAN RADIO RELAY STATION	UR	431325N 0444550E	S085694
25	NEMCHINOVKA RADIO RELAY/RADIO COMMO STA HARD	UR	554340N 0372130E	S085932
25	NEZHIN AIRFIELD AW RADAR FACILITY	UR	510500N 0315500E	S085508
25	NEZHIN AIRFIELD GCA SITE	UR	510519N 0315207E	
25	NIKITOVKA TV BROADCAST STATION PROB	UR	482010N 0380200E	S085864
25	NOVOASBEST RADIO RELAY + TV BROADCAST STATION	UR	574115N 0601015E	S085909
25	NOVOASBEST RADIO RELAY + TV BROADCAST STATION	UR	574115N 0601015E	
25	NOVOCHERKASSK RADIO RELAY STATION	UR	472002N 0400009E	S085820
25	NOVOILINSK RADIO RELAY STATION	UR	513920N 1084130E	S085933
25	NOVOPAVLOVKA RADIO RELAY STATION	UR	511030N 1091240E	
25	OLENEGORSK AIRFIELD GCA SITE	UR	680906N 0332740E	S085505
25	OLENEGORSK AW RADAR FACILITY	UR	680835N 0332955E	
25	OMSK SRF ARMY HQ RADIO COMMO XMTR BKR HARD	UR	545613N 0740739E	S085410
25	ORENBURG SRF ARMY HQ RADIO XMTR STATION BKR	UR	520152N 0701818E	S085409
25	ORSK RADIO RELAY + TV BROADCAST CENTER	UR	511355N 0582712E	S085909
25	ORSK RADIO RELAY + TV BROADCAST CENTER	UR	511355N 0582712E	
25	OSTROV/GOROKHOVKA AIRFIELD GCA SITE	UR	571748N 0282555E	S085536
25	OSTROV/GOROKHOVKA NAVAL AVIATION CP BKR	UR	571700N 0282640E	
25	OSTROV/GOROKHOVKA AIRFIELD TROPOSCATTER STA	UR	571746N 0282510E	
25	PECHORA PHASED-ARRAY RADAR FACIL EASTERN ANT	UR	651230N 0571720E	S085224
25	PECHORA PHASED-ARRAY RADAR FACIL WESTERN ANT	UR	651230N 0571720E	S085226

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
25	PECHORA PHASED-ARRAY RADAR FACILITY	UR	651230N 0571720E	S085472
25	PETROPAVLOVSK COMSAT STATION SEARCH	UR	5254 N 15829 E	S085627
25	SAMASHKI RADIO RELAY STATION	UR	431745N 0451800E	S085694
25	SARANKA RADIO RELAY STATION	UR	513200N 1111220E	S085933
25	SARY SHAGAN MTC ELCT TEST FAC COFFIN SHELTER	UR	455100N 0733500E	S085211
25	SEMENTOV RADIO RELAY STATION	UR	564815N 0443130E	S085931
25	SHAKHUNYA RADIO RELAY + TV BROADCAST STATION	UR	573940N 0463920E	
25	SHAKHUNYA RADIO RELAY + TV BROADCAST STATION	UR	573940N 0463920E	
25	SHAOKUAN RADIO RELAY STATION WEST BUNKERED	CH	244838N 1133114E	S085246
25	SHENYANG/TUNGHUA TELECOMMUNICATIONS LINE U/G	CH	414340N 1255230E	S085274
25	SHILKA RADIO RELAY + TV BROADCAST STATION	UR	515451N 1161951E	S085694
25	SHILKA RADIO RELAY + TV BROADCAST STATION	UR	515451N 1161951E	
25	SKOLE/VOLOVETS RADIO RELAY STATION SEARCH	UR	485420N 0231630E	S085872
25	SMOLENSK SRF ARMY HQ RADCOM XMTR BKR HARD	UR	544110N 0315100E	S085412
25	SUMBER SUMA ARMY BARRACKS AL2 COMMO ANTENNAS	MG	462210N 1082130E	S085652
25	SVERDLOVSK RADIO PLANT/AUTOMATION RSCH INST	UR	565013N 0603710E	S085422
25	SVERDLOVSK RADIO PLT/AUTOMATION RESEARCH INST	UR	565013N 0603710E	S085408
25	SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	UR	564857N 0603315E	S085422
25	SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	UR	564857N 0603315E	S085408
25	TASHKENT MILITARY RADIO COMMO RECEIVER STA	UR	412000N 0692335E	S085803
25	TEREKTY ASM IMPACT AREA RADAR AREA A U/I OBJ	UR	481515N 0483140E	S085199
25	TOLSTOPALTSEVO RADIO RELAY STATION	UR	553705N 0371215E	S085871
25	TYGDA RADIO RELAY STATION	UR	530305N 1261542E	S085694

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
25	ULAANBAATAR RADIO COMMO RECEIVER STATION ANTS	MG	475440N 1064551E	S085652
25	VINNITSA SRF ARMY HEADQUARTERS RDO XMTR BKR	UR	493030N 0280010E	S085200
25	VLADIMIR SRF ARMY HQ RADCOM XMTR STA BKR HARD	UR	561351N 0400551E	S085378
25	VLADIVOSTOK ECM FACILITY SE DO-EL-1 ECM RADAR	UR	430615N 1315750E	S085624
25	ZVON SIGINT FACILITY	CZ	493425N 0123705E	S085819
30	CHELYABINSK TRACTOR + GM SUPPORT EQUIP PLANT	UR	550916N 0612802E	S085493
30	CHENHAI PETROLEUM REFINERY U/C	CH	295900N 1213930E	S085499
30	CHINGTAO PETROLEUM REFINERY	CH	361300N 1202250E	
30	CHIUCHIANG PETROLEUM REFINERY	CH	294425N 1160410E	
30	DNEPROPETROVSK INDUSTRIAL WASTE DISPOSAL PITS	UR	482920N 0345910E	S085392
30	DUBNICA NAD VAHOM METALLURGICAL PLT MIL PROD	CZ	485800N 0181114E	S085610
30	FANGSHAN PETROLEUM RFY WASTE DISPOSAL PITS	CH	394453N 1155542E	S085392
30	HSIANGKOU AMMUNITION LOADING/METAL PARTS CPLX	CH	300152N 1165122E	S085599
30	INDUSTRY, PETROLEUM REFINERIES EXPANSION	CH		S085499
30	KAZAN HEAT + POWER PLANT 3 GAS BURNOFF POINT	UR	555204N 0485708E	S085392
30	LABEDY STEEL + TANK MANUFACTURING PLANT	PL	502140N 0183651E	S085074
30	MOSKVA PETROLEUM REFINERY LYUBERTSY IR SOURCE	UR	553925N 0374805E	S085392
30	MUTANCHIANG PETROLEUM REFINERY	CH	443711N 1293755E	S085499
30	PERM PETROLEUM REFINERY GAS BURNOFF POINTS	UR	575436N 0560800E	S085392
30	SHENYANG ELECTRICAL EQUIP PLT SAM PROD SEARCH	CH	414930N 1232953E	S085252
30	TAIYUAN THERMAL POWER PLANT 2	CH	375516N 1123228E	S085392
30	TANGHO PETROLEUM REFINERY	CH	324040N 1123545E	S085499

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
30	UFA CHEMICAL PLANT GAS BURNOFF POINT	UR	545040N 0560624E	S085392
30	UFA PETROLEUM RFY NOVO CHERNIKOVSK WASTE PITS	UR	545552N 0560355E	
35	AL ISMAILIYAH SA-2 SITE B25A MILITARY PARADE	E6	302722N 0315952E	S085336
35	ALMA ATA ARMY BARRACKS EAST AL4	UR	431620N 0765740E	S085703
35	ANIVA ARMY BARRACKS RAILROAD STATION NW 1	UR	464247N 1423140E	S084944
35	ARKHANGELSK AMMUNITION STORAGE FACILITY	UR	642435N 0403815E	S085595
35	BAGHDAD AIR DEPOT M-1974 122MM SP GUN SHPMT	IZ	333125N 0441425E	S085523
35	BAGHDAD MILITARY BKS/SCHOOL/HQ M-1974 SP GUN	IZ	331730N 0442810E	
35	BAGHDAD MILITARY TRAINING AREA NW 2 ARMD BRDG	IZ	334600N 0440100E	S085341
35	BELOGORSK ARMY BKS AL1/HQ MRD TK DIV REORG	UR	505413N 1282858E	S085879
35	BELOVODSKOYE ARMY BARRACKS AL2	UR	424900N 0740550E	S085702
35	BORZYA ARMY BKS AL3/HQ MRD/SA-4 BRGD SA-7 ACT	UR	502105N 1162720E	S085254
35	CHANGKO ARMY BARRACKS AL3	CH	341400N 1134610E	S085061
35	CHIRCHIK ARMY BARRACKS AL9	UR	412702N 0693320E	S085701
35	DONGUZ ARTILLERY TEST AREA SP AA GUN NEW POSS	UR	513203N 0545729E	S085516
35	DUBNICA NAD VAHOM METALLURGICAL PLT MIL PROD	CZ	485800N 0181114E	S085610
35	GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	UR	561448N 0435341E	S085340
35	GORNA MALINA ARMY BKS SIGNAL REGT EXPSN PROB	BU	424234N 0234107E	S085092
35	GUSEV ARMY BARRACKS AL2 + HQ MRD BTR-70 IDENT	UR	543559N 0221311E	S085093

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35	HSIANGCHENG ARMY BARRACKS AL1	CH	335119N 1132804E	S085062
35	HSIANGKOU AMMUNITION LOADING PLANT EAST CPLX	CH	300218N 1165443E	S085599
35	HSIANGKOU AMMUNITION LOADING/METAL PARTS CPLX	CH	300152N 1165122E	
35	HSIANGKOU EXPLOSIVES + PROPELLANT PLANT	CH	300512N 1165705E	

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	HSUCHANG ARMY BARRACKS AL5 + HQ INFANTRY DIV	CH	340238N 1134923E	S085058
35	HSUCHANG ARMY BARRACKS AL8	CH	340010N 1134420E	S085059
35	HSUCHANG MILITARY AREA 1	CH	3401 N 11349 E	S085057
35	HSUCHANG MILITARY AREA 2	CH	3401 N 11349 E	S085060

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35	KALININGRAD MILITARY BARRACKS AL3 ARTY BRGD	UR	544450N 0202758E	S085262
35	KAVKAZSKAYA ARMY BARRACKS SW	UR	452556N 0403937E	S085770
35	KIZYL ARVAT ARMY BARRACKS SE AL4	UR	385750N 0561700E	S085705
35	KOROSTEN ARMY BKS AL1/SAM SUPT TANK DIV REORG	UR	505624N 0283850E	S085879
35	KOROSTEN ARMY BKS LUGINY AL3 TANK DIV REORG	UR	510531N 0282251E	
35	KRASNOARMEYSK LASER DEV + TEST AREA WPN ACT	UR	560723N 0381254E	S085618
35	KRASNOARMEYSK LASER DEV + TEST AREA WPNS ACT	UR	560723N 0381254E	S085270
35	KRASNOYARSK ARMY BARRACKS AL2 + TRNG AREA TA1	UR	560252N 0925551E	S085697
35	KRASNOYARSK ARMY BARRACKS AL2 + TRNG AREA TA1	UR	560252N 0925551E	
35	KUYBYSHEV ARMY BARRACKS KRYAZH AL5	UR	530648N 0500719E	S085924
35	LABEDY STEEL + TANK MANUFACTURING PLANT	PL	502140N 0183651E	S085074

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35	LENINGRAD ORDNANCE R+D FACILITY	UR	600307N 0303237E	S085593
35	LOHO ARMY BARRACKS AL1	CH	333505N 1140135E	S085063
35	LOURDES MILITARY HQ TORRENS ELECTRONICS FACIL	CU	225938N 0822755W	S085259
35	LUANDA ARMY BARRACKS + STORAGE AREA MIL EQUIP	AO	085213S 0131815E	S085332
35	LUANDA ARMY BARRACKS + STORAGE AREA MIL EQUIP	AO	085213S 0131815E	
35	MILITARY, BM-21 122MM ROCKET LNCHR REGT DPL	UR		S085693

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	MILITARY, BTR-70 APC	UR		S085093
35	MILITARY, DEVELOPMENTS	CH		S085257
35	MILITARY, DEVELOPMENTS	UR		S085269
35	MILITARY, DMZ TUNNEL STUDY	KN		S085260
35	MILITARY, GROUND FORCE ACTIVITY SOVIET	CU		S085259
35	MILITARY, LASER WEAPONS ACTIVITY	UR		S085270
35	MILITARY, RIVER CROSSING UNITS/EQUIPMENT	EG		S085589
35	MILITARY, SELF-PROPELLED AA GUN NEW POSS	UR		S085516
35	MILITARY, SINO-SOVIET-MONGOLIAN BDR SOV DEFS	UR		S085604
35	MILITARY, SINO-SOVIET-MONGOLIAN BDR SOV DEFS	CH		
35	MILITARY, SINO-SOVIET-MONGOLIAN BDR SOV DEFS	MG		
35	MILITARY, SOVIET ACCESS	ET		S085267
35	MILITARY, T-72 TANK	UR		S085466
35	MILITARY, URAL-375 GENR TRAILER AR-EL-1 ASSOC	UR		S085739
35	MILITARY, ZIL-131 MRL REGIMENTAL DEPLOYMENT	UR		S085693
35	MINGCHIANG ARMY BARRACKS NW AL1 + HQ INF DIV	CH	322906N 1140050E	S085056
35	MINGCHIANG MILITARY AREA 1	CH	3228 N 11403 E	S085055
35	MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT	UR	535131N 0273931E	S085614
35	MOSKVA ARMY BKS AL48 ANTITERRORIST TRNG FACIL	UR	554825N 0380210E	S085497
35	MOSKVA ARMY BKS AL48 ANTITERRORIST TRNG FACIL	UR	554825N 0380210E	
35	MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC	UR	554000N 0375600E	S085389
35	MOSKVA MILITARY DESIGN BUREAU + EXPMT FACIL	UR	554000N 0375600E	S085223
35	MOSKVA MILITARY DSGN BUR + A/C EXPMT HELI NEW	UR	554000N 0375600E	S085658

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	NIENTZUSHAN AMMUNITION PLANT 123	CH	473120N 1225440E	S085607
35	OMSK ARMY BARRACKS AL7 + TRAINING AREA 1	UR	545300N 0732018E	S085699
35	OMSK ARMY BARRACKS AL7 + TRAINING AREA 1	UR	545300N 0732018E	
35	OMSK ARMY BARRACKS AL9 + HQ TANK DIVISION	UR	545740N 0732350E	S085700
35	OMSK ARMY BARRACKS SSE AL5 + TRAINING AREA 2	UR	545304N 0732936E	S085698
35	OMSK ARMY BARRACKS SSE AL5 + TRAINING AREA 2	UR	545304N 0732936E	
35	OMSK TANK PLANT VOROSHILOV 174	UR	545556N 0732329E	S085096
35	OVRUCH ARMY BARRACKS AL1 + HQ TANK DIV REORG	UR	511947N 0284744E	S085879
35	PAOTOU ARMORED VEHICLE PLANT 617	CH	404006N 1095423E	S085089
35	PAOTOU ARMORED VEHICLE PLANT 617 STGE BLDGS	CH	404006N 1095423E	S085655
35	PAOTOU MISSILE EQUIPMENT + ARTILLERY PLT 447	CH	404105N 1095235E	S085073
35	PODJUCHY ENGINEER STORAGE FACILITY 503	PL	532151N 0143539E	S085918
35	POSTOLOPRTY ARMY BARRACKS NW 2	CZ	502155N 0134140E	S085264
35	POSTOLOPRTY ARMY BARRACKS SW	CZ	502135N 0134145E	
35	ROSTOV ARMY BARRACKS NE AL10	UR	471630N 0395350E	S085769
35	RYBACHYE ARMY BARRACKS AL1/TRAINING AREA TA1	UR	422950N 0761200E	S085704
35	RYBACHYE ARMY BARRACKS AL1/TRAINING AREA TA1	UR	422950N 0761200E	
35	SARY SHAGAN MTC AREA 1 LASER WEAPONS ACTIVITY	UR	460147N 0724009E	S085270

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35	SHANGCHIU ARMY BARRACKS AL2	CH	342557N 1153840E	S085053
35	SHANGCHIU ARMY BARRACKS AL4/HQ INFANTRY DIV	CH	342350N 1153718E	S085054
35	SHANGCHIU ARMY BARRACKS SW AL3	CH	342301N 1153450E	S085052
35	SHANGCHIU MILITARY AREA 1	CH	3427 N 11539 E	S085050

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	SHANGCHIU MILITARY BKS AL5/HQ INF DIV/SCHOOL	CH	342558N 1153740E	S085051
35	SHANGCHIU MILITARY BKS AL5/HQ INF DIV/SCHOOL	CH	342558N 1153740E	
35	SIDI BARRANI ARMORED VEH CONC + HQ BRGD SA-7	EG	312136N 0255224E	S085254
35	SIDI BILAL FORT COMPLEX POLNOCNY CL LSM DMG	LY	324900N 0125800E	S085519
35	SUEZ CANAL AREA 6 OCTOBER PARADE PREPARATIONS	EG	302749N 0320022E	S085334
35	SUMBER SUMA ARMY BARRACKS AL2 COMMO ANTENNAS	MG	462210N 1082130E	S085652
35	SWARZEDZ MILITARY AREA SW 1 PROB	PL	522330N 0170115E	S085691
35	SWARZEDZ MILITARY AREA SW 2 PROB	PL	522325N 0170145E	
35	SZCZECIN ARMY BARRACKS 2 SA-6 REGT/ENGR BRGD	PL	532137N 0143524E	S085918
35	TANCHOU MILITARY STGE FAC SSM LAUNCH SITE U/C	CH	252600N 1092730E	S085202
35	TANCHOU MILITARY STORAGE FAC MSL SVC TWR U/C	CH	252600N 1092730E	S085335
35	TATARSK ARMY BARRACKS AL1	UR	551240N 0755835E	S085923

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35	TIRUCHIRAPPALLI SMALL ARMS PLANT IDENT	IN	104326N 0784713E	S085600
35	USSURIYSK ARMY BARRACKS NORTH AL2/HQ ARTY DIV	UR	434932N 1315650E	S085574
35	USSURIYSK ARMY BARRACKS SSE AL1	UR	434409N 1320008E	S084945
35	VARANGAON AMMUNITION PLT SMALL ARMS AMMO FAC	IN	210232N 0755530E	S085600
35	VILA LUSO ARMY BARRACKS + HQ SA-7 SITE	AO	114700S 0195200E	S085254
35	VOLGOGRAD AMMUNITION + TANK DEPOT DA1/DO1	UR	484212N 0442306E	S085261
35	VORONEZH ROCKET ENG TEST FAC LASER RANGE PROB	UR	513432N 0390945E	S085433

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40	AKTYUBINSK AIRFIELD SAT RECOVERY ASSOC POSS	UR	501447N 0571218E	S085690
40	AL ISMAILIYAH SA-2 SITE B25A MILITARY PARADE	EG	302722N 0315952E	S085336

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	ALEYSK ICBM RTP SS-18 PROPELLANT TRF/STGE FAC	UR	522828N 0824138E	S085204
40	ANHUNG MISSILE FLIGHT TEST RANGE	KS	364030N 1261000E	S085500
40	ARKHANGELSK ASM SUPPORT FACILITY	UR	642301N 0404520E	S085595
40	BORZYA ARMY BKS AL3/HQ MRD/SA-4 BRGD SA-7 ACT	UR	502105N 1162720E	S085254
40	CHELYABINSK TRACTOR + GM SUPPORT EQUIP PLANT	UR	550916N 0612802E	S085493
40	CHIENSHUI SSM COMPLEX FIELD POSITION NEW U/C	CH	235415N 1023610E	S085348
40	CHINGYU MTC	CH	421705N 1265320E	S085275
40	CHINHSI MTC	CH	404126N 1205309E	S085275
40	CHOYBALSAN AIRFIELD NE SA-7 SITE	MG	480802N 1143847E	S085254
40	DERAZHNYA ICBM SITE 57D TYPE 36 SILO U/C	UR	492036N 0273551E	S085619
40	DROVYANAYA MOBILE IRBM BASE 4 U/C	UR	512251N 1125014E	S085626
40	EL ASNAM AIRFIELD SA-6 REGIMENT IDENT	AG	361239N 0012000E	S085620
40	FEODOSIYA NAVAL WPNS R+D FAC NAV CR MSL ACT	UR	450105N 0352455E	S085286
40	GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	UR	561448N 0435341E	S085340
40	GORODOMLYA OSTROV MISSILE RLTD FAC CONST SRCH	UR	5712 N 03304 E	S085695
40	HEIHO SSM FACILITIES + GSE SEARCH	CH	3130 N 09200 E	S085376
40	HSIANGKOU EXPLOSIVES + PROPELLANT PLANT	CH	300512N 1165705E	S085599
40	HUHOHAOTE SOLID PROPELLANT COMPLEX EXPANSION	CH	404414N 1115740E	S085609
40	HUHOHAOTE SOLID PRPLNT CPLX RKT MTR DEV/PROD	CH	404414N 1115740E	S085495

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	ITU SSM TRAINING POSITION	CH	363604N 1182842E	S085423
40	IVANKOVSKIY GUIDED MISSILE PLANT	UR	564521N 0370700E	S085653
40	IVANKOVSKIY GUIDED MISSILE TRANSHIPMENT FAC	UR	564410N 0370850E	
40	IZHEVSK ROCKET ENGINE TEST FACILITY	UR	565603N 0532520E	S085104
40	KAPUSTIN YAR MTC NAVAL TEST COMPLEX B SITE 1	UR	484012N 0461615E	S085198
40	KAPUSTIN YAR MTC RIM FACILITY SS-16/20 EQUIP	UR	484039N 0460932E	S085517
40	KAPUSTIN YAR MTC RIM FACILITY SS-16/20 EQUIP	UR	484039N 0460932E	
40	KAPUSTIN YAR MTC SPACE SITE 7C SL-8J SLV	UR	483226N 0461754E	S085577
40	KAPUSTIN YAR MTC SRBM CPLX A ASBLY/CHECKOUT	UR	484116N 0461648E	S085198
40	KARAGANDA AIRFIELD SE SAT RECOVERY ASSOC POSS	UR	494755N 0730831E	S085690
40	KAZAN MISSILE PROPULSION R+D FACILITY	UR	555345N 0485007E	S085076
40	KOTLAS AAM SUPPORT FACILITY	UR	605940N 0465140E	S085597
40	KOTLAS SAM SUPPORT FACILITY	UR	605940N 0465140E	
40	KRASNOARMEYSK SOLID MOTOR DEVELOPMENT FACIL	UR	560750N 0380954E	S085076
40	KRASNOARMEYSK SOLID MTR DEV FAC RKT MOTOR NEW	UR	560750N 0380954E	S085606
40	KULUKOSHAN IMPACT AREA CSS-X-4 CRATERS SEARCH	CH	4137 N 08920 E	S085379
40	KUNMING SSM FIELD POSITION	CH	245208N 1025347E	S085402
40	KUNMING SSM FIELD POSITION	CH	245208N 1025347E	S085423
40	KUNMING SSM FIELD POSITION	CH	245208N 1025347E	S085421
40	KUSTANAY AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	531226N 0633252E	S085690
40	LANTIAN SOLID PRPLNT PROD CPLX RKT MOTOR DEV	CH	340312N 1092400E	S085094

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	LENINGRAD SOLID MOTOR TEST FACILITY 1	UR	600401N 0303615E	S085076
40	LENINGRAD SOLID MOTOR TEST FACILITY 2	UR	601250N 0304218E	
40	LENINGRAD SOLID MOTOR TEST FACILITY 3	UR	601533N 0304440E	
40	LUANDA AIRFIELD SA-7 SITE	AO	085111S 0131431E	S085254
40	MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT	UR	535131N 0273931E	S085614
40	MINSK/MACHULISHCHE AIRFIELD AS-4 MODIF POSS	UR	534626N 0273442E	S085381
40	MISSILES, AS-4 MODIFIED SEARCH	UR		S085381
40	MISSILES, AS-6	UR		S085469
40	MISSILES, AS-9 SHIPPING CRATES TYPE B	UR		S085653
40	MISSILES, BALLISTIC MISSILE SYSTEMS ACTIVITY	CH		S085585
40	MISSILES, BALLISTIC MISSILE SYSTEMS TRENDS	UR		S085276
40	MISSILES, BRDM-2 SPANDREL ATGM LAUNCHER	UR		S085340
40	MISSILES, CRUISE MISSILE NETWORK DEVELOPMENTS	CH		S085268
40	MISSILES, CRYOGEN TRAILER TYPE F	CH		S085396
40	MISSILES, CSA-1 SYSTEM	CH		S085279
40	MISSILES, CSS-X-4 1ST STAGE TRANSFER CAR B2	CH		S085396
40	MISSILES, CSS-X-4 1ST STAGE TRANSPORTER C1	CH		
40	MISSILES, CSS-X-4 1ST STAGE TRANSPORTER E	CH		
40	MISSILES, CSS-X-4 2ND STAGE TRANSFER CAR B3	CH		
40	MISSILES, CSS-X-4 2ND STAGE TRANSPORTER C2	CH		
40	MISSILES, CSS-X-4 2ND STAGE TRANSPORTER F	CH		
40	MISSILES, CSS-X-4/CSL-2 PAYLOAD TRANSPORTER	CH		
40	MISSILES, CSS-1 A-FRAME CRANE	CH		
40	MISSILES, CSS-1 LAUNCH STAND TRAILER	CH		
40	MISSILES, CSS-1 LAUNCH STAND TRUCK	CH		
40	MISSILES, CSS-1 TRANSPORTER	CH		

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	MISSILES, CSS-1 TRANSPORTER	CH		S085391
40	MISSILES, CSS-1 TRANSPORTER/ERECTOR	CH		S085396
40	MISSILES, CSS-1 TRANSPORTER/ERECTOR	CH		S085391
40	MISSILES, CSS-1/CSS-2 CHERRY PICKER	CH		S085396
40	MISSILES, CSS-1/CSS-2 CRANE TRUCK MOUNTED	CH		
40	MISSILES, CSS-1/CSS-2 TRANSFER RAIL CAR B1	CH		
40	MISSILES, CSS-1/CSS-2 TRANSPORTER RAIL TYPE A	CH		
40	MISSILES, CSS-1/SRBM FUEL TRANSPORTER TYPE E	CH		
40	MISSILES, CSS-2 CHECKOUT SUPPORT VEHICLE POSS	CH		
40	MISSILES, CSS-2 CONTROL/ALIGNMENT VAN	CH		
40	MISSILES, CSS-2 CONTROL/ALIGNMENT VAN	CH		S085391
40	MISSILES, CSS-2 LAUNCH STAND TRANSPORTER	CH		S085396
40	MISSILES, CSS-2 MOBILE LIGHTENING ARRESTER	CH		S085391
40	MISSILES, CSS-2 MOBILE LIGHTENING ARRESTER	CH		S085396
40	MISSILES, CSS-2 PROPELLANT VEHICLE 1 TYPE K	CH		
40	MISSILES, CSS-2 PROPELLANT VEHICLE 2 TYPE L	CH		
40	MISSILES, CSS-2 TRANSPORTER/ERECTOR 1	CH		S085391
40	MISSILES, CSS-2 TRANSPORTER/ERECTOR 1	CH		S085396
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		S085391
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		S085396
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		S085391
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		S085396
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		S085391
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		S085396
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		S085391
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		S085396

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		S085391
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		S085396
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		S085391
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		S085396
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		S085391
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		S085396
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		S085391
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		S085396
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		S085391
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		
40	MISSILES, CSS-2/CSS-3 TRANSPORTER	CH		
40	MISSILES, CSS-2/CSS-3 TRANSPORTER	CH		S085396
40	MISSILES, CSS-2/CSS-3 TRANSPORTER	CH		S085391
40	MISSILES, CSS-2/CSS-3 TRANSPORTER	CH		S085396
40	MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		S085391
40	MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		S085396
40	MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		
40	MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		S085391
40	MISSILES, CSS-3 SECOND STAGE TRANSPORTER	CH		S085396
40	MISSILES, CSS-3 SECOND STAGE TRANSPORTER	CH		S085391

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	MISSILES, DEVELOPMENTS	CH		S085257
40	MISSILES, DEVELOPMENTS	UR		S085269
40	MISSILES, FROG-7 EQUIPMENT CONFIRMED	KN		S085255
40	MISSILES, ICBM SITES DEPLOYED BLDGS ASSOC	UR		S085399
40	MISSILES, ICBM TYPE 3D SITE MODERNIZED	UR		S085201
40	MISSILES, ICBM TYPE 3H SILO	UR		S085471
40	MISSILES, ICBM TYPE 3H SILO UPPER DETAILS	UR		S085418
40	MISSILES, ICBM TYPE 3X SITE ASSOC BLDGS	UR		S085436
40	MISSILES, MISSILE LOAD SIMULATORS	UR		S085221
40	MISSILES, MISSILE TEST CENTERS	CH		S085275
40	MISSILES, PROPELLANT RAIL CAR TYPE A	CH		S085396
40	MISSILES, PROPELLANT RAIL CAR TYPE B	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE C1	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE C2	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE D	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE F	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE G	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE H	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE I	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE J	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE K	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE L	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE M	CH		
40	MISSILES, PROPELLANT RAIL CAR TYPE N	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE A	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE B	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE C	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE D	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE M	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE N	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE O	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE O	CH		S085391

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	MISSILES, ROCKET MOTOR/STAGE TRANS PROB NEW	CH		S085094
40	MISSILES, SA-7 SITES TYPES/LAYOUTS/DEPLOYMENT	UR		S085254
40	MISSILES, SLBM POP-UP TEST BARGE MSL TUBE CAP	UR		S085615
40	MISSILES, SOLID PROPELLANT ROCKET MOTOR NEW	UR		S085606
40	MISSILES, SOLID PROPELLANT R+D FACILITIES	UR		S085076
40	MISSILES, SRBM TRANSPORTER/ERECTOR TYPE C	CH		S085396
40	MISSILES, SSM DEPLOYMENT EVALUATION	CH		S085377
40	MISSILES, SSM FACILITIES SEARCH	CH		S085413
40	MISSILES, SSM GANTRY CRANE	CH		S085396
40	MISSILES, SSM GROUND SUPPORT EQUIPMENT	CH		S085391
40	MISSILES, SSM GROUND SUPPORT EQUIPMENT	CH		S085396
40	MISSILES, SS-11 COMPLEXES ACTIVITY SUMMARY	UR		S085282
40	MISSILES, SS-11/SS-17 COMPLEXES ACT SUMMARY	UR		
40	MISSILES, SS-11/SS-19 COMPLEXES ACT SUMMARY	UR		
40	MISSILES, SS-12 UNITS ORGANIZATION/EQUIP/DPL	UR		S085071
40	MISSILES, SS-18 COMPLEXES PRPLNT TRF/STGE FAC	UR		S085203
40	MISSILES, SS-20 DEPLOYMENT STATUS	UR		S085576
40	MISSILES, SS-9/SS-18 COMPLEXES ACT SUMMARY	UR		S085282
40	MISSILES, TRANSPORTER RAIL TYPE D	CH		S085396
40	MISSILES, TRANSPORTER RAIL TYPE E	CH		
40	MISSILES, TRANSPORTER ROAD TYPE B	CH		

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	MISSILES, TRANSPORTER ROAD TYPE G	CH		S085391
40	MISSILES, TRANSPORTER ROAD TYPE G	CH		S085396
40	MOSKVA GUIDED MISSILE R+D/PROD PLT KHIKMI 293	UR	555444N 0372701E	S085382
40	MOSKVA GUIDED MISSILE R+D/PROD PLT KHIKMI 293	UR	555444N 0372701E	S085212
40	MOSKVA GUIDED MISSILE R+D/PROD PLT TEST STAND	UR	555444N 0372701E	S085210
40	MOSKVA MISSILE DESIGN BUREAU	UR	554415N 0373700E	S085405
40	MOSKVA MISSILE DESIGN BUREAU	UR	554415N 0373700E	S085416
40	MOSKVA SOLID MOTOR PROD CPLX ROCKET MOTOR NEW	UR	553648N 0375240E	S085606
40	MOSKVA SOLID MOTOR PRODUCTION PLANT LYUBERTSY	UR	553648N 0375240E	S085076
40	NACALA AIRFIELD SA-7 SITE	MZ	142848S 0404231E	S085254
40	NIKOLAYEV PORT FACILITIES SOUTH SS-1 TEL	UR	464958N 0315659E	S085623

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40	NORILSK ADZ SAM DEVELOPMENTS NEW SEARCH	UR		S085278
40	OLENEGORSK ASM STORAGE FACILITY	UR	680643N 0332940E	S085505
40	OLENEGORSK ASM SUPPORT FACILITY	UR	680901N 0332647E	
40	ORENBURG AIRFIELD CIVIL SAT RECOVERY ASSOC	UR	514645N 0551921E	S085690
40	ORENBURG AIRFIELD NE SAT RECOVERY ASSOC POSS	UR	515827N 0553256E	
40	ORENBURG AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	513920N 0550441E	
40	ORENBURG AIRFIELD SW SAT RECOVERY ASSOC POSS	UR	514258N 0550118E	
40	OSTROV ASM STORAGE SITE GOROKHOVKA	UR	571909N 0282432E	S085536
40	PAOTOU MISSILE EQUIPMENT + ARTILLERY PLT 447	CH	404105N 1095235E	S085073
40	PAVLOGRAD SOLID MTR PROD CPLX RKT MOTOR NEW	UR	483401N 0354912E	S085606
40	PAVLOGRAD SOLID MTR TEST FAC SS-17/18 LAD	UR	482605N 0355817E	S085393
40	PAVLOGRAD SOLID MTR TEST FAC SS-17/18 LAD	UR	482605N 0355817E	

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	PERVOMAYSK SSM COMPLEX SILO MODIFICATIONS	UR	481224N 0305416E	S085330
40	PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	UR	595914N 0305935E	S085076
40	PLESETSK MTC	UR	625746N 0402346E	S085103
40	SARY SHAGAN MTC AREA 1 LASER WEAPONS ACTIVITY	UR	460147N 0724009E	S085270
40	SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB	UR	454840N 0733404E	S085414
40	SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB	UR	454840N 0733404E	S085430
40	SEVEROMORSK NAVAL MISSILE LDG FACIL OKOLNAYA	UR	690543N 0332742E	S085677
40	SHENYANG AIRCRAFT ENG PLT 410 SAM PROD SEARCH	CH	414740N 1232950E	S085252
40	SHENYANG AIRFRAME PLANT 112 SAM PROD/DEV SRCH	CH	415208N 1232600E	
40	SHENYANG ELECTRICAL EQUIP PLT SAM PROD SEARCH	CH	414930N 1232953E	
40	SHENYANG ROCKET ENG TEST FAC SAM PROD SEARCH	CH	415508N 1234215E	
40	SHENYANG ROCKET ENG TEST FAC SAM PROD SEARCH	CH	415508N 1234215E	
40	SHUANGCHENG TZU MTC	CH	410800N 1001500E	S085275
40	SHUANGCHENG TZU MTC SITE B1/2 TRENCHING	CH	411828N 1001854E	S085404
40	SHUANGCHENG TZU MTC SITE B1/2 TRENCHING	CH	411828N 1001854E	S085424
40	SHUANGCHENG TZU MTC SITE B1/2 TRENCHING	CH	411828N 1001854E	S085425
40	SIDI BARRANI ARMORED VEH CONC + HQ BRGD SA-7	EG	312136N 0255224E	S085254
40	SPACE, CSS-X-4/CSL-2 PAYLOAD TRANSPORTER	CH		S085396
40	SPACE, DEVELOPMENTS	CH		S085257
40	SPACE, SATELLITE RECOVERY ASSOC AIRFIELDS	UR		S085690
40	SPACE, SITES NON-MAGNETIC TEST FACS NEW SRCH	UR		S085380
40	SPACE, SL-8J SPACE LAUNCH VEHICLE	UR		S085577
40	SPACE, SYSTEMS DEVELOPMENTS	CH		S085272

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	SRI HARIKOTA ISLAND RKT MTR TEST FAC LIQ TEST	IN	134456N 0801412E	S085598
40	SUNGLIN MTC	CH	281420N 1020149E	S085275
40	TALARA SA-3 SITE U/C IDENTIFICATION	PE	043230S 0811145W	S085605
40	TANCHOU MILITARY STGE FAC SSM LAUNCH SITE U/C	CH	252600N 1092730E	S085202
40	TANCHOU MILITARY STORAGE FAC MSL SVC TWR U/C	CH	252600N 1092730E	S085335
40	TENGSHAHO SSM FIELD POSITION CSS-1/CSS-2 TRNG	CH	390855N 1220503E	S085514
40	TIENWEI MTC	CH	255520N 1024928E	S085275
40	TSELINOGRAD AIRFIELD SAT RECOVERY ASSOC POSS	UR	510718N 0712530E	S085690
40	TSELINOGRAD AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	510110N 0712850E	
40	TYURATAM MTC ICBM SITE V4 LAYOUT/SILO DETAIL	UR	460325N 0630154E	S085417
40	TYURATAM MTC SPACE SITE B1 CONST ACT UNIQUE	UR	455950N 0633348E	S085380
40	URALSK AIRFIELD SATELLITE RECOVERY ASSOC POSS	UR	511506N 0512555E	S085690
40	VILA LUSO ARMY BARRACKS + HQ SA-7 SITE	AO	114700S 0195200E	S085254
40	VORONEZH ROCKET ENG TEST FAC HRZTL TEST BLDG	UR	513432N 0390945E	S085432
40	VORONEZH ROCKET ENG TEST FAC LASER RANGE PROB	UR	513432N 0390945E	S085433
40	VORONEZH ROCKET ENG TEST FAC LASER TEST RANGE	UR	513432N 0390945E	S085400
40	VORONEZH ROCKET ENGINE TEST FACILITY	UR	513432N 0390945E	S085431
40	WUCHAI MTC	CH	384950N 1113620E	S085275
40	WUCHAI MTC ICBM SITE B CSS-X-4 LDG/UNLDG ACT	CH	385255N 1113527E	S085617
40	WUCHAI MTC ICBM SITE B CSS-X-4 LDG/UNLDG ACT	CH	385255N 1113527E	S085350
40	WUCHAI MTC IRBM R+D TRNG SITE A ACTIVITY	CH	384952N 1113618E	S085333
40	WUCHAI MTC IRBM R+D TRNG SITE A CSS-2 ERECTED	CH	384952N 1113618E	S085339

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COORD

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WUHSING MISSILE PROPULSION R+D CENTER EXP5N

CH

304450N 1200135E

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
65	KRASNOARMEYSK LASER DEV + TEST AREA FACIL 1	UR	560723N 0381254E	S085208
65	KRASNOARMEYSK LASER DEV + TEST AREA FACIL 2	UR	560723N 0381254E	S085215
65	KRASNOARMEYSK LASER DEV + TEST AREA FACIL 3	UR	560723N 0381254E	S085217
65	KRASNOARMEYSK LASER DEV + TEST AREA WPN ACT	UR	560723N 0381254E	S085618
65	KRASNOARMEYSK LASER DEV + TEST AREA WPNS ACT	UR	560723N 0381254E	S085270
65	KRASNOARMEYSK LASER DEV + TEST COFFIN DEVICE	UR	560723N 0381254E	S085411
65	KRASNOARMEYSK LASER DEV + TEST COFFIN DEVICE	UR	560723N 0381254E	S085419
65	KRASNOARMEYSK LASER DEV + TEST COFFIN PLATE	UR	560723N 0381254E	S085213
65	KRASNOARMEYSK LASER DEV + TEST ROLL-OFF SHLTR	UR	560723N 0381254E	S085214
65	KRASNOARMEYSK LASER DEV + TEST SLED TRACK/OBJ	UR	560723N 0381254E	S085207
65	KRASNOARMEYSK LASER DEVELOPMENT + TEST AREA	UR	560723N 0381254E	S085390
65	KRASNOARMEYSK LASER DEVELOPMENT + TEST AREA	UR	560723N 0381254E	S085209
65	KRASNOARMEYSK LASER DEV/TEST AREA MHD CMPNTS	UR	560723N 0381254E	S085216
65	KRASNOARMEYSK LASER DEV/TEST PWR SUPPLY BLDG	UR	560723N 0381254E	S085218
65	MOSKVA PHYSICAL PROBLEMS INSTITUTE VAVILOV	UR	554227N 0373400E	S085688
65	NOGINSK CHEMICAL PHYSICS INST CHEM LASER RSCH	UR	560030N 0382348E	S085406
65	NOGINSK CHEMICAL PHYSICS INST LASER RSCH BLDG	UR	560030N 0382348E	S085428
65	PHOTO, ENHANCEMENT/SSAG CONFIGURATION COMPS	UR		S085654
65	PHOTO, INFRARED SOURCE CORRELATIONS	UR		S085392
65	PHOTO, INFRARED SOURCE CORRELATIONS	CH		
65	SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB	UR	454840N 0733404E	S085430

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB	UR	454840N 0733404E	S085414
05	SCIENCE, COFFIN LASER DEVICE POSS	UR		S085411
65	SCIENCE, COFFIN LASER DEVICE POSS	UR		S085419
65	SVERDLOVSK RADIO PLANT/AUTOMATION RSCH INST	UR	565013N 0603710E	S085422
65	SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	UR	564857N 0603315E	
65	VORONEZH ROCKET ENG TEST FAC LASER TEST RANGE	UR	513432N 0390945E	S085400
75	ASEB PORT FACILITIES UPGRADING SOVIET	ET	1304 N 04238 E	S085267
75	BAHIA DE PORTETE NARCOTICS TRANSSHIPMENT AREA	CO	121030N 0715530W	S085621
75	BAKU NAVAL BASE + SHIP REPAIR YARD	UR	402042N 0495053E	S085634
75	BAKU NAVAL BASE + SHIP REPAIR YARD	UR	402042N 0495053E	
75	BAKU NAVAL FACILITIES APPROACHES	UR	4020 N 04953 E	S085633
75	BALAKLAVA NAVAL FACILITIES APPROACHES	UR	4429 N 03336 E	S085650
75	BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD	UR	443010N 0333554E	S085651
75	BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD	UR	443010N 0333554E	
75	BALAKLAVA SUBMARINE BASE/SHIP RPR TEST BARGE	UR	443010N 0333554E	S085615
75	BALAKLAVA SUBMARINE BASE/SHIP RPR TEST BARGE	UR	443010N 0333554E	
75	BALAKLAVA SUBMARINE BASE/SHIP RPR YD 4025 SSB	UR	443010N 0333554E	S085521
75	BALAKLAVA SUBMARINE BASE/SHIP RPR YD 4025 SSB	UR	443010N 0333554E	
75	BOMBAY NAVAL BASE + SHIP REPAIR YARD	IN	185533N 0725015E	S085636
75	BOMBAY NAVAL BASE + SHIP REPAIR YARD	IN	185533N 0725015E	
75	DIEGO SUAREZ PORT FACILITIES COMMERCIAL	MA	121600S 0491717E	S085494
75	DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK	UR	425400N 1322110E	S085609
75	DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK	UR	425400N 1322110E	
75	DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK	UR	425400N 1322110E	S085511
75	DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK	UR	425400N 1322110E	

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
75	FEODOSIYA NAVAL BASE + SHIP REPAIR YARD	UR	450131N 0352340E	S085630
75	FEODOSIYA NAVAL BASE + SHIP REPAIR YARD	UR	450131N 0352340E	
75	FEODOSIYA NAVAL FACILITIES APPROACHES SW	UR	4459 N 03523 E	S085629
75	FEODOSIYA NAVAL WPNS R+D FAC NAV CR MSL ACT	UR	450105N 0352455E	S085286
75	FEODOSIYA TORPEDO + ASW WEAPONS STORAGE FACIL	UR	450047N 0352427E	S085507
75	GORKIY SHIPYARD 112 T CLASS SS LAUNCH	UR	562142N 0435228E	S085338
75	HAIKOU NAVAL BASE	CH	200130N 1101630E	S085097
75	HSINHSIANG NAVAL BASE	CH	301506N 1221817E	S085682
75	HSINHSIANG NAVAL FACILITIES APPROACHES	CH	301520N 1221828E	S085681
75	KARACHI NAVAL BASE + DOCKYARD WEST WHARF	PK	244950N 0665820E	S085635
75	KARACHI NAVAL BASE + DOCKYARD WEST WHARF	PK	244950N 0665820E	
75	KHABAROVSK SHIPYARD USSURI SOUTH 876	UR	482405N 1350226E	S085631
75	KHERSON SHIPYARD KOMINTERN	UR	463735N 0323530E	S085680
75	KOMSOMOLSK SHIPYARD AMUR 199 ARD D	UR	503232N 1370248E	S085771
75	LENINGRAD SHIPYARD PETROVSKIY PETR C CL P66	UR	595736N 0301512E	S085351
75	LENINGRAD SHIPYARD ZHDANOV 190 BUILDINGWAYS	UR	595233N 0301406E	S085773
75	LENINGRAD SHIPYARD ZHDANOV 190 190A U/C	UR	595233N 0301406E	S085345
75	LIBREVILLE PORT FACILITIES	GB	002400N 0092610E	S085498
75	MITSIWA SHIP REPAIR YARD EL KADER DRYDOCK SOV	ET	153709N 0392842E	S085267
75	NAVAL, DEPLOYMENT SOVIET	CU		S085259
75	NAVAL, DEVELOPMENTS	UR		S085269
75	NIKOLAYEV PORT FACILITIES SOUTH SS-1 TEL	UR	464958N 0315659E	S085623
75	NIKOLAYEV SHIPYARD NORTHERN 61 FLTG DRYDOCK	UR	465840N 0320019E	S085774

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
75	OLENYA GUBA SUBMARINE REPAIR BASE	UR	691250N 0331745E	S085678
75	PETROVKA NAVAL BASE/SHPYD V-2 CL SSBN MODIF	UR	430703N 1322017E	S085342
75	PETROVKA NAVAL BASE/SHPYD V-2 CL SSBN MODIF	UR	430703N 1322017E	
75	POLYARNYY SUBMARINE BASE	UR	691208N 0332740E	S085679
75	SAIGON NAVAL BASE + SHIPYARD	VM	104658N 1064250E	S085504
75	SAIGON NAVAL BASE + SHIPYARD	VM	104658N 1064250E	
75	SEVERODVINSK SHIPYARD YAGRY OSTROV Y CL SSBN	UR	643514N 0394907E	S085518
75	SHIPS, ARD D FLOATING DRYDOCK	UR		S085771
75	SHIPS, DEVELOPMENTS	CH		S085257
75	SHIPS, KARA CLASS CG	UR		S085578
75	SHIPS, PETR C CLASS PGG ARMAMENTS NEW	UR		S085351
75	SHIPS, V-2 CLASS SSBN MODIFIED	UR		S085342
75	SHIPS, YU KAN CLASS LST	CH		S085772
75	SHIPS, 196C + I CL SSAG COMPARISON/ANALYSIS	UR		S085654
75	SHIPS, 402S CLASS SSB	UR		S085521
75	SIDI BILAL FORT COMPLEX POLNOCNY CL LSM DMG	LY	324900N 0125800E	S085519
75	VLADIVOSTOK NAVAL RESERVE BASE NOVIK GUBA	UR	430128N 1315142E	S085632
75	WUHU SHIPYARD	CH	312102N 1182105E	S085098
80	ARKHANGELSK PETROLEUM PRODUCTS STGE U/G KHOLM	UR	642404N 0403610E	S085595
80	CHELYABINSK PETROLEUM PRODUCTS STORAGE	UR	550923N 0612849E	S085493
80	CIENFUEGOS PETROLEUM STGE FAC POSS U/C	CU	220825N 0802720W	S085259
80	KAZAN PETROLEUM PROD STGE WEST 1 IR SOURCE	UR	554848N 0490200E	S085392

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
80	KOTLAS PETROLEUM PRODUCTS STGE SAVVATIYA PUG	UR	605905N 0464721E	S085597
80	STORAGE, GRAIN STORAGE BUNKERS IDENTIFICATION	UR		S085609
85	FERGANA AVTOKOLONNA 2504	UR	402155N 0714624E	S085692
85	GORKIY MOTOR VEHICLE PLT BTR-60PB MODIF IDENT	UR	561448N 0435341E	S085263
85	GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	UR	561448N 0435341E	S085340
85	TANCHOU/TUNGTAO RAIL LINE CONSTRUCTION STATUS	CH	2522 N 10926 E	S085202
85	TRANSPORTATION, RAIL CARS/VEHICLES NUC ASSOC	CH		S085467
85	TRANSPORTATION, RAIL CARS/VEHICLES NUC ASSOC	CH		
85	TRANSPORTATION, ROAD CONST CHINESE REDUCED	LA		S085609
85	TRANSPORTATION, ROAD CONSTRUCTION	LA		S085251
85	TUNGTAO/TANCHOU RAIL LINE CONSTRUCTION STATUS	CH	2622 N 10940 E	S085202

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TOP SECRET CHESS RUFF

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PART IV

Listing of Reports by Coordinates

TOP SECRET CHESS RUFF

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ZDAI

COORD	SUBJECT	COUN	ACCN NO.
002400N 0092610E	LIBREVILLE PORT FACILITIES	GB	S085498
104326N 0784713E	TIRUCHIRAPPALLI SMALL ARMS PLANT IDENT	IN	S085600
1032 N 10527 E	LONG XUYEN/CAO LANH FLOODING EXTENSIVE	VM	S085352
104658N 1064250E	SAIGON NAVAL BASE + SHIPYARD	VM	S085504
104658N 1064250E	SAIGON NAVAL BASE + SHIPYARD	VM	S085504
1304 N 04238 E	ASEB PORT FACILITIES UPGRADING SOVIET	ET	S085267
130412N 0423818E	ASEB AIRFIELD UPGRADING SOVIET	ET	S085267
134456N 0801412E	SRI HARIKOTA ISLAND RKT MTR TEST FAC LIQ TEST	IN	S085598
153709N 0392842E	MITSIWA SHIP REPAIR YARD EL KADER DRYDOCK SOV	ET	S085267
185533N 0725015E	BOMBAY NAVAL BASE + SHIP REPAIR YARD	IN	S085636
185533N 0725015E	BOMBAY NAVAL BASE + SHIP REPAIR YARD	IN	S085636
200130N 1101630E	HAIKOU NAVAL BASE	CH	S085097
210232N 0755530E	VARANGAON AMMUNITION PLT SMALL ARMS AMMO FAC	IN	S085600
212848N 1101528E	LEIPEI VLF/LF RADIO COMMO XMTR STATION BKR	CH	S085249
225241N 1081736E	NANNING RADIO COMMUNICATIONS RCVR STA NORTH	CH	S085247
235415N 1023610E	CHIENSHUI SSM COMPLEX FIELD POSITION NEW U/C	CH	S085348
244950N 0665820E	KARACHI NAVAL BASE + DOCKYARD WEST WHARF	PK	S085635
244950N 0665820E	KARACHI NAVAL BASE + DOCKYARD WEST WHARF	PK	S085635
245208N 1025347E	KUNMING SSM FIELD POSITION	CH	S085421
245208N 1025347E	KUNMING SSM FIELD POSITION	CH	S085423
245208N 1025347E	KUNMING SSM FIELD POSITION	CH	S085402
244838N 1133114E	SHAOKUAN RADIO RELAY STATION WEST BUNKERED	CH	S085246
255520N 1024928E	TIENWEI MTC	CH	S085275
2522 N 10926 E	TANCHOU/TUNGTAO RAIL LINE CONSTRUCTION STATUS	CH	S085202

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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ZUA

COORD	SUBJECT	COUN	ACCN NO.
252600N 1092730E	TANCHOU MILITARY STGE FAC SSM LAUNCH SITE U/C	CH	
252600N 1092730E	TANCHOU MILITARY STGE FAC SSM LAUNCH SITE U/C	CH	
252600N 1092730E	TANCHOU MILITARY STORAGE FAC MSL SVC TWR U/C	CH	S085335
252600N 1092730E	TANCHOU MILITARY STORAGE FAC MSL SVC TWR U/C	CH	
2622 N 10940 E	TUNGTAO/TANCHOU RAIL LINE CONSTRUCTION STATUS	CH	S085202
263456N 1125103E	LEIYANG RADIO COMMUNICATIONS XMTR STA WEST	CH	S085248
271332N 1114017E	SHAORYANG/LIANGSHIHTANG AIRFIELD	CH	S085740
281420N 1020149E	SUNGLIN MTC	CH	S085275
282151N 1102430E	YUANLING AIRCRAFT ENGINE TEST FACILITY PROB	CH	S085612
294425N 1160410E	CHIUCHIANG PETROLEUM REFINERY	CH	S085499
295900N 1213930E	CHENHAI PETROLEUM REFINERY U/C	CH	
302722N 0315952E	AL ISMAILIYAH SA-2 SITE B25A MILITARY PARADE	EG	S085336
302722N 0315952E	AL ISMAILIYAH SA-2 SITE B25A MILITARY PARADE	EG	
302749N 0320022E	SUEZ CANAL AREA 6 OCTOBER PARADE PREPARATIONS	EG	S085334
302921N 1032800E	CHENG TU/CHIUNG LAI AIRFIELD	CH	S085506
304227N 1035747E	CHENG TU AIRFRAME PLANT 132	CH	S085258
300152N 1165122E	HSIANGKOU AMMUNITION LOADING/METAL PARTS CPLX	CH	S085599
300152N 1165122E	HSIANGKOU AMMUNITION LOADING/METAL PARTS CPLX	CH	
300218N 1165443E	HSIANGKOU AMMUNITION LOADING PLANT EAST CPLX	CH	
300512N 1165705E	HSIANGKOU EXPLOSIVES + PROPELLANT PLANT	CH	
300512N 1165705E	HSIANGKOU EXPLOSIVES + PROPELLANT PLANT	CH	
304450N 1200135E	WUHSING MISSILE PROPULSION R+D CENTER EXPSN	CH	S085609
301520N 1221828E	HSINHSIANG NAVAL FACILITIES APPROACHES	CH	S085681
301506N 1221817E	HSINHSIANG NAVAL BASE	CH	S085682
312136N 0255224E	SIDI BARRANI ARMORED VEH CONC + HQ BRGD SA-7	EG	S085254
312136N 0255224E	SIDI BARRANI ARMORED VEH CONC + HQ BRGD SA-7	EG	

TOP SECRET CHESS RUFF

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ZNAI

COORD	SUBJECT	COUN	ACCN NO.
3130 N 09200 E	HEIHO SSM FACILITIES + GSE SEARCH	CH	S085376
312102N 1182105E	WUHU SHIPYARD	CH	S085098
324900N 0125800E	SIDI BILAL FORT COMPLEX POLNOCNY CL LSM DMG	LY	S085519
324900N 0125800E	SIDI BILAL FORT COMPLEX POLNOCNY CL LSM DMG	LY	

25X1

320410N 1114620E	KUCHENG AIRCRAFT ENGINE TEST FACILITY	CH	S085657
324040N 1123545E	TANGHO PETROLEUM REFINERY	CH	S085499
3228 N 11403 E	MINGCHIANG MILITARY AREA 1	CH	S085055
322906N 1140050E	MINGCHIANG ARMY BARRACKS NW AL1 + HQ INF DIV	CH	S085056
331730N 0442810E	BAGHDAD MILITARY BKS/SCHOOL/HQ M-1974 SP GUN	IZ	S085523
333125N 0441425E	BAGHDAD AIR DEPOT M-1974 122MM SP GUN SHPMT	IZ	
333125N 0441425E	BAGHDAD AIR DEPOT M-1974 122MM SP GUN SHPMT	IZ	
334600N 0440100E	BAGHDAD MILITARY TRAINING AREA NW 2 ARMD BRDG	IZ	S085341
335119N 1132804E	HSIANGCHENG ARMY BARRACKS AL1	CH	S085062
333505N 1140135E	LOHO ARMY BARRACKS AL1	CH	S085063
340312N 1092400E	LANTIEN SOLID PRPLNT PROD CPLX RKT MOTOR DEV	CH	S085094
340010N 1134420E	HSUCHANG ARMY BARRACKS AL8	CH	S085059
3401 N 11349 E	HSUCHANG MILITARY AREA 1	CH	S085057
3401 N 11349 E	HSUCHANG MILITARY AREA 2	CH	S085060
340238N 1134923E	HSUCHANG ARMY BARRACKS AL5 + HQ INFANTRY DIV	CH	S085058
341400N 1134610E	CHANGKO ARMY BARRACKS AL3	CH	S085061
342301N 1153450E	SHANGCHIU ARMY BARRACKS SW AL3	CH	S085052
342350N 1153718E	SHANGCHIU ARMY BARRACKS AL4/HQ INFANTRY DIV	CH	S085054

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COORD	SUBJECT	COUN	ACCN NO.
342558N 1153740E	SHANGCHIU MILITARY BKS AL5/HQ INF DIV/SCHOOL	CH	S085051
342558N 1153740E	SHANGCHIU MILITARY BKS AL5/HQ INF DIV/SCHOOL	CH	
342557N 1153840E	SHANGCHIU ARMY BARRACKS AL2	CH	S085053
3427 N 11539 E	SHANGCHIU MILITARY AREA 1	CH	S085050
353123N 0025246E	AIN OUSSERA AIRFIELD FOXBAT MIG-25 IDENT	AG	S085337
361239N 0012000E	EL ASNAM AIRFIELD SA-6 REGIMENT IDENT	AG	S085620
361239N 0012000E	EL ASNAM AIRFIELD SA-6 REGIMENT IDENT	AG	
361239N 0012000E	EL ASNAM AIRFIELD AW RADAR FACILITY IDENT	AG	
363604N 1182842E	ITU SSM TRAINING POSITION	CH	S085423
361300N 1202250E	CHINGTAO PETROLEUM REFINERY	CH	S085499
364030N 1261000E	ANHUNG MISSILE FLIGHT TEST RANGE	KS	S085500
372442N 1115523E	WENSHUI AIRFIELD SUPPORT FACILITY A U/G U/C	CH	S085503
372437N 1115529E	WENSHUI AIRFIELD SUPPORT FACILITY A1 U/G U/C	CH	
372447N 1115517E	WENSHUI AIRFIELD SUPPORT FACILITY A2 U/G U/C	CH	
372426N 1115756E	WENSHUI AIRFIELD	CH	
375516N 1123228E	TAIYUAN THERMAL POWER PLANT 2	CH	S085392
385750N 0561700E	KIZYL'ARVAT ARMY BARRACKS SE AL4	UR	S085705
384952N 1113618E	WUCHAI MTC IRBM R+D TRNG SITE A CSS-2 ERECTED	CH	S085339
384952N 1113618E	WUCHAI MTC IRBM R+D TRNG SITE A ACTIVITY	CH	S085333
384950N 1113620E	WUCHAI MTC	CH	S085275
385255N 1113527E	WUCHAI MTC ICBM SITE B CSS-X-4 LDG/UNLDG ACT	CH	S085350
385255N 1113527E	WUCHAI MTC ICBM SITE B CSS-X-4 LDG/UNLDG ACT	CH	S085617
380450N 1264325E	CHANGHWA DONG SIGINT FACILITY	KN	S085250
394453N 1155542E	FANGSHAN PETROLEUM RFY WASTE DISPOSAL PITS	CH	S085392

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COORD	SUBJECT	COUN	ACCN NO.
390855N 1220503E	TENGSHAO SSM FIELD POSITION CSS-1/CSS-2 TRNG	CH	S085514
402042N 0495053E	BAKU NAVAL BASE + SHIP REPAIR YARD	UR	S085634
402042N 0495053E	BAKU NAVAL BASE + SHIP REPAIR YARD	UR	
4020 N 04953 E	BAKU NAVAL FACILITIES APPROACHES	UR	S085633
403534N 0493322E	NASOSNY AIRFIELD AIRCRAFT BUNKERS	UR	S085689
402155N 0714624E	FERGANA AVTOKOLONNA 2504	UR	S085692

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404006N 1095423E	PAOTOU ARMORED VEHICLE PLANT 617 STGE BLDGS	CH	S085655
404006N 1095423E	PAOTOU ARMORED VEHICLE PLANT 617	CH	S085089
404105N 1095235E	PAOTOU MISSILE EQUIPMENT + ARTILLERY PLT 447	CH	S085073
404105N 1095235E	PAOTOU MISSILE EQUIPMENT + ARTILLERY PLT 447	CH	
404414N 1115740E	HUHOHAOTE SOLID PROPELLANT COMPLEX EXPANSION	CH	S085609
404414N 1115740E	HUHOHAOTE SOLID PRPLNT CPLX RKT MTR DEV/PROD	CH	S085495
404126N 1205309E	CHINHSI MTC	CH	S085275
412000N 0692335E	TASHKENT MILITARY RADIO COMMO RECEIVER STA	UR	S085803
412702N 0693320E	CHIRCHIK ARMY BARRACKS AL9	UR	S085701

25X1

4137 N 08920 E	KULUKOSHAN IMPACT AREA CSS-X-4 CRATERS SEARCH	CH	S085379
410800N 1001500E	SHUANGCHENG TZU MTC	CH	S085275
411828N 1001854E	SHUANGCHENG TZU MTC SITE B1/2 TRENCHING	CH	S085424
411828N 1001854E	SHUANGCHENG TZU MTC SITE B1/2 TRENCHING	CH	S085425

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COORD	SUBJECT	COUN	ACCN NO.
411828N 1001854E	SHUANGCHENG TZU MTC SITE B1/2 TRENCHING	CH	S085404
414740N 1232950E	SHENYANG AIRCRAFT ENGINE PLANT 410	CH	S085258
414740N 1232950E	SHENYANG AIRCRAFT ENG PLANT 410 SAM PROD SRCH	CH	S085252
414740N 1232950E	SHENYANG AIRCRAFT ENG PLT 410 SAM PROD SEARCH	CH	
414930N 1232953E	SHENYANG ELECTRICAL EQUIP PLT SAM PROD SEARCH	CH	
414930N 1232953E	SHENYANG ELECTRICAL EQUIP PLT SAM PROD SEARCH	CH	
415208N 1232600E	SHENYANG AIRFRAME PLANT 112	CH	S085258
415208N 1232600E	SHENYANG AIRFRAME PLANT 112	CH	S085656
415208N 1232600E	SHENYANG AIRFRAME PLANT 112 SAM PROD/DEV SRCH	CH	S085252
415208N 1232600E	SHENYANG AIRFRAME PLANT 112 SAM PROD/DEV SRCH	CH	
415508N 1234215E	SHENYANG ROCKET ENG TEST FAC SAM PROD SEARCH	CH	
415508N 1234215E	SHENYANG ROCKET ENG TEST FAC SAM PROD SEARCH	CH	
414340N 1255230E	SHENYANG/TUNGHUA TELECOMMUNICATIONS LINE U/G	CH	S085274
424234N 0234107E	GORNA MALINA ARMY BKS SIGNAL REGT EXPSN PROB	BU	S085092
424900N 0740550E	BELOVODSKOYE ARMY BARRACKS AL2	UR	S085702
422950N 0761200E	RYBACHYE ARMY BARRACKS AL1/TRAINING AREA TA1	UR	S085704
422950N 0761200E	RYBACHYE ARMY BARRACKS AL1/TRAINING AREA TA1	UR	
421705N 1265320E	CHINGYU MTC	CH	S085275
425055N 1321905E	DUNAY RADIO RELAY STATION	UR	S085874
425400N 1322110E	DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK	UR	S085511
425400N 1322110E	DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK	UR	
425400N 1322110E	DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK	UR	S085609
425400N 1322110E	DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK	UR	

431325N 0444550E
431745N 0451800E

NAZRAN RADIO RELAY STATION
SAMASHKI RADIO RELAY STATION

UR
UR

S085694

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TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
430448N 0741012E	DZHANGYPAKHTA NAVAL RADIO COMMO RCVR STA BKR	UR	S085804
431620N 0765740E	ALMA ATA ARMY BARRACKS EAST AL4	UR	S085703
430128N 1315142E	VLADIVOSTOK NAVAL RESERVE BASE NOVIK GUBA	UR	S085632
430615N 1315750E	VLADIVOSTOK ECM FACILITY SE DO-EL-1 ECM RADAR	UR	S085624
434932N 1315650E	USSURIYSK ARMY BARRACKS NORTH AL2/HQ ARTY DIV	UR	S085574
430703N 1322017E	PETROVKA NAVAL BASE/SHPYD V-2 CL SSBN MODIF	UR	S085342
430703N 1322017E	PETROVKA NAVAL BASE/SHPYD V-2 CL SSBN MODIF	UR	
434409N 1320008E	USSURIYSK ARMY BARRACKS SSE AL1	UR	S084945
443011N 0260550E	BUCURESTI AIRFRAME PLANT BANEASA	RO	S085608
443011N 0260550E	BUCURESTI/BANEASA AIRFIELD	RO	
4429 N 03336 E	BALAKLAVA NAVAL FACILITIES APPROACHES	UR	S085650
443010N 0333554E	BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD	UR	S085651
443010N 0333554E	BALAKLAVA SUBMARINE BASE/SHIP RPR YD 402S SSB	UR	S085521
443010N 0333554E	BALAKLAVA SUBMARINE BASE/SHIP RPR YD 402S SSB	UR	
443010N 0333554E	BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD	UR	S085651
443010N 0333554E	BALAKLAVA SUBMARINE BASE/SHIP RPR TEST BARGE	UR	S085615
443010N 0333554E	BALAKLAVA SUBMARINE BASE/SHIP RPR TEST BARGE	UR	
444127N 0333422E	SEVASTOPOL/BELBEK AIRFIELD AIRCRAFT BUNKERS	UR	S085817
4459 N 03523 E	FEODOSIYA NAVAL FACILITIES APPROACHES SW	UR	S085629
445750N 0380005E	KRYMSK AIRFIELD AIRCRAFT BUNKERS	UR	S085684
443711N 1293755E	MUTANCHIANG PETROLEUM REFINERY	CH	S085499
455650N 0292239E	CHERVONO GLINSKOYE AIRFIELD AIRCRAFT BUNKERS	UR	S085686
450047N 0352427E	FEODOSIYA TORPEDO + ASW WEAPONS STORAGE FACIL	UR	S085507
450131N 0352340E	FEODOSIYA NAVAL BASE + SHIP REPAIR YARD	UR	S085630

TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
450131N 0352340E	FEODOSIYA NAVAL BASE + SHIP REPAIR YARD	UR	
450105N 0352455E	FEODOSIYA NAVAL WPNS R+D FAC NAV CR MSL ACT	UR	S085286
450105N 0352455E	FEODOSIYA NAVAL WPNS R+D FAC NAV CR MSL ACT	UR	
450130N 0390020E	KRASNODAR TV + FM BROADCAST CENTER	UR	S085917
452556N 0403937E	KAVKAZSKAYA ARMY BARRACKS SW	UR	S085770
455950N 0633348E	TYURATAM MTC SPACE SITE B1 CONST ACT UNIQUE	UR	S085380
454840N 0733404E	SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB	UR	S085430
454840N 0733404E	SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB	UR	
454840N 0733404E	SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB	UR	S085414
454840N 0733404E	SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB	UR	
455100N 0733500E	SARY SHAGAN MTC ELCT TEST FAC COFFIN SHELTER	UR	S085211
465206N 0293528E	TIRASPOL AIRFIELD AIRCRAFT BUNKERS	UR	S085810
464007N 0300042E	LIMANSKOYE AIRFIELD AIRCRAFT BUNKERS	UR	S085818
465337N 0304151E	BLAGOYEVO AIRFIELD AIRCRAFT BUNKERS	UR	S085816
465337N 0304151E	BLAGOYEVO AIRFIELD HIP C MI-8 MODIFIED IDENT	UR	S085075
464958N 0315659E	NIKOLAYEV PORT FACILITIES SOUTH SS-1 TEL	UR	S085623
464958N 0315659E	NIKOLAYEV PORT FACILITIES SOUTH SS-1 TEL	UR	
463735N 0323530E	KHERSON SHIPYARD KOMINTERN	UR	S085680
465840N 0320019E	NIKOLAYEV SHIPYARD NORTHERN 61 FLT6 DRYDOCK	UR	S085774

460325N 0630154E	TYURATAM MTC ICBM SITE V4 LAYOUT/SILO DETAIL	UR	S085417
460147N 0724009E	SARY SHAGAN MTC AREA 1 LASER WEAPONS ACTIVITY	UR	S085270
460147N 0724009E	SARY SHAGAN MTC AREA 1 LASER WEAPONS ACTIVITY	UR	
462210N 1082130E	SUMBER SUMA ARMY BARRACKS AL2 COMMO ANTENNAS	MG	S085652
462210N 1082130E	SUMBER SUMA ARMY BARRACKS AL2 COMMO ANTENNAS	MG	

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COORD	SUBJECT	COUN	ACCN NO.
464247N 1423140E	ANIVA ARMY BARRACKS RAILROAD STATION NW 1	UR	S084944
475146N 0281248E	MARKULESHTY AIRFIELD AIRCRAFT BUNKERS	UR	S085807
473047N 0311536E	VOZNESENSK AIRFIELD AIRCRAFT BUNKERS	UR	S085808
474928N 0351147E	ZAPOROZHYE AIRCRAFT ENGINE PLANT 478 DSGN BUR	UR	S085387
474928N 0351147E	ZAPOROZHYE AIRCRAFT ENGINE PLANT 478	UR	S085220
474928N 0351147E	ZAPOROZHYE AIRCRAFT ENGINE PLT 478 TEST CELL	UR	S085222
471150N 0385220E	TAGANROG AIRFRAME PLANT 86 CANDID ODDIF IDENT	UR	S085513
471150N 0385220E	TAGANROG AIRFRAME PLANT 86 CANDID MODIF IDENT	UR	S085515
471646N 0393812E	ROSTOV AIRFIELD NW AIRCRAFT BUNKERS	UR	S085683
471630N 0395350E	ROSTOV ARMY BARRACKS NE AL10	UR	S085769
472002N 0400009E	NOVOCHERKASSK RADIO RELAY STATION	UR	S085820
475503N 0802710E	AYAGUZ AIRFIELD CUB AN-12	UR	S085346
475440N 1064551E	ULAANBAATAR RADIO COMMO RECEIVER STATION ANTS	MG	S085652
473120N 1225440E	NIENTZUSHAN AMMUNITION PLANT 123	CH	S085607
485800N 0181114E	DUBNICA NAD VAHOM METALLURGICAL PLT MIL PROD	CZ	S085610
485800N 0181114E	DUBNICA NAD VAHOM METALLURGICAL PLT MIL PROD	CZ	S085610
482358N 0224115E	MUKACHEVO AIRFIELD AIRCRAFT BUNKERS	UR	S085922
485420N 0231630E	SKOLE/VOLOVETS RADIO RELAY STATION SEARCH	UR	S085872
485317N 0244130E	IVANO FRANKOVSK AIRFIELD AIRCRAFT BUNKERS	UR	S085920
481224N 0305416E	PERVOMAYSK SSM COMPLEX SILO MODIFICATIONS	UR	S085330
482920N 0345910E	DNEPROPETROVSK INDUSTRIAL WASTE DISPOSAL PITS	UR	S085392
482605N 0355817E	PAVLOGRAD SOLID MTR TEST FAC SS-17/18 LAD	UR	S085393

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

COORD	SUBJECT	COUN	ACCN NO.
482605N 0355817E	PAVLOGRAD SOLID MTR TEST FAC SS-17/18 LAD	UR	
483401N 0354912E	PAVLOGRAD SOLID MTR PROD CPLX RKT MOTOR NEW	UR	S085606
482010N 0380200E	NIKITOVKA TV BROADCAST STATION PROB	UR	S085864
484212N 0442306E	VOLGOGRAD AMMUNITION + TANK DEPOT DA1/D01	UR	S085261
484107N 0455853E	KAPUSTIN YAR MTC ELECTRONICS EQUIPMENT	UR	S085395
483226N 0461754E	KAPUSTIN YAR MTC SPACE SITE 7c SL-8J SLV	UR	S085577
484039N 0460932E	KAPUSTIN YAR MTC RIM FACILITY SS-16/20 EQUIP	UR	S085517
484039N 0460932E	KAPUSTIN YAR MTC RIM FACILITY SS-16/20 EQUIP	UR	
484012N 0461615E	KAPUSTIN YAR MTC NAVAL TEST COMPLEX B SITE 1	UR	S085198
484130N 0461400E	KAPUSTIN YAR MTC INSTRUMENTATION SITE A6	UR	
484116N 0461648E	KAPUSTIN YAR MTC SRBM CPLX A ASBLY/CHECKOUT	UR	
481515N 0483140E	TEREKTY ASM IMPACT AREA RADAR AREA A U/I OBJ	UR	S085199
480802N 1143847E	CHOYBALSAN AIRFIELD NE SA-7 SITE	MG	S085254
480802N 1143847E	CHOYBALSAN AIRFIELD NE SA-7 SITE	MG	
482405N 1350226E	KHABAROVSK SHIPYARD USSURI SOUTH 876	UR	S085631
493425N 0123705E	ZVON SIGINT FACILITY	CZ	S085819
494446N 0122540E	HAVARN SIGINT FACILITY	CZ	
495812N 0123019E	DYLEN TILLENBERG SIGINT COLLECTION FACILITY	CZ	
491443N 0234726E	STRYY AIRFIELD AIRCRAFT BUNKERS	UR	S085877
491852N 0272650E	DERAZHNYA LAUNCH CONTROL FACILITY DD CONST	UR	S085619
491852N 0272650E	DERAZHNYA LAUNCH CONTROL FACIL DD LCC REMOVED	UR	S085331
492036N 0273551E	DERAZHNYA ICBM SITE 57D TYPE 36 SILO U/C	UR	S085619
494456N 0271614E	STARO KONSTANTINOV AIRFIELD AIRCRAFT BUNKERS	UR	S085919
493030N 0280010E	VINNITSA SRF ARMY HEADQUARTERS RDO XMTR BKR	UR	S085200
494755N 0730831E	KARAGANDA AIRFIELD SE SAT RECOVERY ASSOC POSS	UR	S085690

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

COORD	SUBJECT	COUN	ACCN NO.
494755N 0730831E	KARAGANDA AIRFIELD SE SAT RECOVERY ASSOC POSS	UR	

25X1

502155N 0134140E	POSTOLOPRTY ARMY BARRACKS NW 2	CZ	S085264
502135N 0134145E	POSTOLOPRTY ARMY BARRACKS SW	CZ	
502140N 0183651E	LABEDY STEEL + TANK MANUFACTURING PLANT	PL	S085074
502140N 0183651E	LABEDY STEEL + TANK MANUFACTURING PLANT	PL	
502645N 0255017E	DUBNO AIRFIELD NE AIRCRAFT BUNKERS	UR	S085875
504720N 0252050E	LUTSK AIRFIELD NORTH AIRCRAFT BUNKERS	UR	S085921
505624N 0283850E	KOROSTEN ARMY BKS AL1/SAM SUPT TANK DIV REORG	UR	S085879
5005 N 02955 E	FASTOV RADIO RELAY STATIONS SEARCH	UR	S085907
501404N 0301804E	VASILKOV AIRFIELD AIRCRAFT BUNKERS	UR	S085685
500129N 0361542E	KHARKOV AIRFRAME PLANT 135	UR	S085105
501447N 0571218E	AKTYUBINSK AIRFIELD SAT RECOVERY ASSOC POSS	UR	S085690
501447N 0571218E	AKTYUBINSK AIRFIELD SAT RECOVERY ASSOC POSS	UR	

25X1

502105N 1162720E	BORZYA ARMY BKS AL3/HQ MRD/SA-4 BRGD SA-7 ACT	UR	S085254
502105N 1162720E	BORZYA ARMY BKS AL3/HQ MRD/SA-4 BRGD SA-7 ACT	UR	
505413N 1282858E	BELOGORSK ARMY BKS AL1/HQ MRD TK DIV REORG	UR	S085879
503232N 1370248E	KOMSOMOLSK SHIPYARD AMUR 199 ARD D	UR	S085771

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

COORD	SUBJECT	COUN	ACCN NO.
510531N 0282251E	KOROSTEN ARMY BKS LUGINY AL3 TANK DIV REORG	UR	S085879
511947N 0284744E	OVRUCH ARMY BARRACKS AL1 + HQ TANK DIV REORG	UR	
510519N 0315207E	NEZHIN AIRFIELD GCA SITE	UR	S085508
510519N 0315207E	NEZHIN AIRFIELD	UR	
510500N 0315500E	NEZHIN AIRFIELD AW RADAR FACILITY	UR	
513432N 0390945E	VORONEZH ROCKET ENGINE TEST FACILITY	UR	S085431
513432N 0390945E	VORONEZH ROCKET ENG TEST FAC HRZTL TEST BLDG	UR	S085432
513432N 0390945E	VORONEZH ROCKET ENG TEST FAC LASER RANGE PROB	UR	S085433
513432N 0390945E	VORONEZH ROCKET ENG TEST FAC LASER RANGE PROB	UR	
513432N 0390945E	VORONEZH ROCKET ENG TEST FAC LASER TEST RANGE	UR	S085400
513432N 0390945E	VORONEZH ROCKET ENG TEST FAC LASER TEST RANGE	UR	
513710N 0390830E	VORONEZH AIRFIELD SW AIRCRAFT BUNKERS	UR	S085811
513819N 0391517E	VORONEZH AIRFRAME PLANT 64	UR	S085613
511506N 0512555E	URALSK AIRFIELD SATELLITE RECOVERY ASSOC POSS	UR	S085690
511506N 0512555E	URALSK AIRFIELD SATELLITE RECOVERY ASSOC POSS	UR	
513203N 0545729E	DONGUZ ARTILLERY TEST AREA SP AA GUN NEW POSS	UR	S085516
513920N 0550441E	ORENBURG AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	S085690
513920N 0550441E	ORENBURG AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	
514258N 0550118E	ORENBURG AIRFIELD SW SAT RECOVERY ASSOC POSS	UR	
514258N 0550118E	ORENBURG AIRFIELD SW SAT RECOVERY ASSOC POSS	UR	
514645N 0551921E	ORENBURG AIRFIELD CIVIL SAT RECOVERY ASSOC	UR	
514645N 0551921E	ORENBURG AIRFIELD CIVIL SAT RECOVERY ASSOC	UR	
515827N 0553256E	ORENBURG AIRFIELD NE SAT RECOVERY ASSOC POSS	UR	

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

COORD	SUBJECT	COUN	ACCN NO.
515827N 0553256E	ORENBURG AIRFIELD NE SAT RECOVERY ASSOC POSS	UR	
511355N 0582712E	ORSK RADIO RELAY + TV BROADCAST CENTER	UR	S085909
511355N 0582712E	ORSK RADIO RELAY + TV BROADCAST CENTER	UR	
510110N 0712850E	TSELINOGRAD AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	S085690
510110N 0712850E	TSELINOGRAD AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	
510718N 0712530E	TSELINOGRAD AIRFIELD SAT RECOVERY ASSOC POSS	UR	
510718N 0712530E	TSELINOGRAD AIRFIELD SAT RECOVERY ASSOC POSS	UR	
515750N 1061745E	BOLSHAYA RECHKA RADIO RELAY STATION	UR	S085933
515123N 1074344E	ULAN UDE AIRFRAME PLT 99 HIP C MODIF INCREASE	UR	S085343
513920N 1084130E	NOVOILINSK RADIO RELAY STATION	UR	S085933
511030N 1091240E	NOVOPAVLOVKA RADIO RELAY STATION	UR	
511430N 1093330E	KHOKOTUY RADIO RELAY STATION	UR	
512020N 1102630E	KHILOK RADIO RELAY STATION	UR	
513200N 1111220E	SARANKA RADIO RELAY STATION	UR	
512251N 1125014E	DROVYANAYA MOBILE IRBM BASE 4 U/C	UR	S085626
515055N 1130520E	INGODA RADIO RELAY STATION	UR	S085873
515451N 1161951E	SHILKA RADIO RELAY + TV BROADCAST STATION	UR	S085694
515451N 1161951E	SHILKA RADIO RELAY + TV BROADCAST STATION	UR	

25X1

522330N 0170115E	SWARZEDZ MILITARY AREA SW 1 PROB	PL	S085691
522325N 0170145E	SWARZEDZ MILITARY AREA SW 2 PROB	PL	

25X1

525348N 0402955E	MICHURINSK TV RELAY STATION	UR	S085909
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25X1

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TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

COORD	SUBJECT	COUN	ACCN NO.
520152N 0701818E	ORENBURG SRF ARMY HQ RADIO XMTR STATION BKR	UR	S085409
522828N 0824138E	ALEYSK ICBM RTP SS-18 PROPELLANT TRF/STGE FAC	UR	S085204
520519N 1071626E	LLINKA RADIO RELAY STATION	UR	S085933
5254 N 15829 E	PETROPAVLOVSK COMSAT STATION SEARCH	UR	S085627
525714N 1582550E	PETROPAVLOVSK NAVAL MSL LDG FAC SLBM WHD TRF	UR	S085601
520324N 1601137E	CHITA SRF ARMY HQ RADIO COMMO XMTR HARD ANTS	UR	S085407

25X1

25X1

532137N 0143524E	SZCZECIN ARMY BARRACKS 2 SA-6 REGT/ENGR BRGD	PL	S085918
532151N 0143539E	PODJUCHY ENGINEER STORAGE FACILITY 503	PL	
534626N 0273442E	MINSK/MACHULISHCHE AIRFIELD AS-4 MODIF POSS	UR	S085381
534626N 0273442E	MINSK/MACHULISHCHE AIRFIELD AS-4 MODIF POSS	UR	
535131N 0273931E	MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT	UR	S085614
535131N 0273931E	MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT	UR	
535131N 0273931E	MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT	UR	
530832N 0460547E	CHAADAYEVKA ALTERNATE HEADQUARTERS PENZA EAST	UR	S085908
530648N 0500719E	KUYBYSHEV ARMY BARRACKS KRYAZH AL5	UR	S085924
535530N 0511045E	GRYFICE U/I INSTALLATION INSTITUTIONAL PROB	PL	S085878
531226N 0633252E	KUSTANAY AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	S085690
531226N 0633252E	KUSTANAY AIRFIELD SOUTH SAT RECOVERY ASSOC	UR	
530305N 1261542E	TYGDA RADIO RELAY STATION	UR	S085694
530957N 1582713E	PETROPAVLOVSK/YELIZOVO AIRFIELD ACTIVITY	UR	S085687

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1
25A1

COORD	SUBJECT	COUN	ACCN NO.
531314N 1580227E	LESNOY NAVAL RADIO COMMO XMTR STATION BKR	UR	S085696

25X1

544450N 0202758E	KALININGRAD MILITARY BARRACKS AL3 ARTY BRGD	UR	S085262
543559N 0221311E	GUSEV ARMY BARRACKS AL2 + HQ MRD BTR-70 IDENT	UR	S085093
544110N 0315100E	SMOLENSK SRF ARMY HQ RADCOM XMTR BKR HARD	UR	S085412
542027N 0322828E	POCHINOK AIRFIELD AIRCRAFT BUNKERS	UR	S085805
545040N 0560624E	UFA CHEMICAL PLANT GAS BURNOFF POINT	UR	S085392
545552N 0560355E	UFA PETROLEUM RFY NOVO CHERNIKOVSK WASTE PITS	UR	
545300N 0732018E	OMSK ARMY BARRACKS AL7 + TRAINING AREA 1	UR	S085699
545300N 0732018E	OMSK ARMY BARRACKS AL7 + TRAINING AREA 1	UR	
545304N 0732936E	OMSK ARMY BARRACKS SSE AL5 + TRAINING AREA 2	UR	S085698
545304N 0732936E	OMSK ARMY BARRACKS SSE AL5 + TRAINING AREA 2	UR	
545556N 0732329E	OMSK TANK PLANT VOROSHILOV 174	UR	S085096
545740N 0732350E	OMSK ARMY BARRACKS AL9 + HQ TANK DIVISION	UR	S085700
545613N 0740739E	OMSK SRF ARMY HQ RADIO COMMO XMTR BKR HARD	UR	S085410
553645N 0363855E	KUBINKA AIRFIELD AIRCRAFT BUNKERS	UR	S085806

25X1

553648N 0375240E	MOSKVA SOLID MOTOR PROD CPLX ROCKET MOTOR NEW	UR	S085606
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TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1
25X1

COORD	SUBJECT	COUN	ACCN NO.
553648N 0375240E	MOSKVA SOLID MOTOR PRODUCTION PLANT LYUBERTSY	UR	S085076
553705N 0371215E	TOLSTOPALTSEVO RADIO RELAY STATION	UR	S085871
553925N 0374805E	MOSKVA PETROLEUM REFINERY LYUBERTSY IR SOURCE	UR	S085392
554000N 0375600E	MOSKVA MILITARY DSGN BUR + A/C EXPMT HELI NEW	UR	S085658
554000N 0375600E	MOSKVA MILITARY DSGN BUR + A/C EXPMT HELI NEW	UR	
554000N 0375600E	MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC	UR	S085389
554000N 0375600E	MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC	UR	
554000N 0375600E	MOSKVA MILITARY DESIGN BUREAU + EXPMT FACIL	UR	S085223
554154N 0375242E	LYUBERTSY HELICOPTER EXPERIMENTAL PLANT KAMOV	UR	S085385
554154N 0375242E	LYUBERTSY HELICOPTER EXPERIMENTAL PLANT KAMOV	UR	S085219
554254N 0373415E	MOSKVA AIRCRAFT ENG EXPMT PLT LUZNETSKAYA 300	UR	S085205
554227N 0373400E	MOSKVA PHYSICAL PROBLEMS INSTITUTE VAVILOV	UR	S085688
554254N 0373415E	MOSKVA AIRCRAFT ENG EXPMT PLT LUZNETSKAYA 300	UR	S085225
554340N 0372130E	NEMCHINOVKA RADIO RELAY/RADIO COMMO STA HARD	UR	S085932
554415N 0373700E	MOSKVA MISSILE DESIGN BUREAU	UR	S085405
554415N 0373700E	MOSKVA MISSILE DESIGN BUREAU	UR	S085416
554542N 0374034E	MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156	UR	S085384
554542N 0374034E	MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156	UR	S085228
554935N 0373935E	MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165	UR	S085403
554935N 0373935E	MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165	UR	S085420
555444N 0372701E	MOSKVA GUIDED MISSILE R+D/PROD PLT KHIKMI 293	UR	S085382
555444N 0372701E	MOSKVA GUIDED MISSILE R+D/PROD PLT TEST STAND	UR	S085210
555444N 0372701E	MOSKVA GUIDED MISSILE R+D/PROD PLT KHIKMI 293	UR	S085212

TOP SECRET CHESS RUFF

25X1

COORD	SUBJECT	COUN	ACCN NO.
555644N 0375803E	MOSKVA/SHCHELKOV SV TRACKING FACILITY	UR	S085628
553238N 0380710E	RAMENSKOYE FLIGHT TEST CENTER AREA 5	UR	S085398
553238N 0380710E	RAMENSKOYE FLIGHT TEST CENTER AREA 5	UR	S085435
553238N 0380710E	RAMENSKOYE FLIGHT TEST CENTER AREA 5	UR	S085434
553226N 0382941E	KUZNETSOVO AIRCRAFT ENGINE TEST FAC PROB U/C	UR	S085383
553226N 0382941E	KUZNETSOVO AIRCRAFT ENGINE TEST FAC PROB U/C	UR	S085429
553418N 0380923E	RAMENSKOYE FLIGHT TEST CENTER RAM K NEW IDENT	UR	S085761
554825N 0380210E	MOSKVA ARMY BKS AL48 ANTITERRORIST TRNG FACIL	UR	S085497
554825N 0380210E	MOSKVA ARMY BKS AL48 ANTITERRORIST TRNG FACIL	UR	
555204N 0485708E	KAZAN HEAT + POWER PLANT 3 GAS BURNOFF POINT	UR	S085392
555345N 0485007E	KAZAN MISSILE PROPULSION R+D FACILITY	UR	S085076
554848N 0490200E	KAZAN PETROLEUM PROD STGE WEST 1 IR SOURCE	UR	S085392
555119N 0490620E	KAZAN AIRCRAFT ENGINE PLANT 16	UR	S085076
550916N 0612802E	CHELYABINSK TRACTOR + GM SUPPORT EQUIP PLANT	UR	S085493
550923N 0612849E	CHELYABINSK PETROLEUM PRODUCTS STORAGE	UR	
550916N 0612802E	CHELYABINSK TRACTOR + GM SUPPORT EQUIP PLANT	UR	
551240N 0755835E	TATARSK ARMY BARRACKS AL1	UR	S085923
550401N 0825910E	NOVOSIBIRSK AIRFRAME PLANT CHKALOV 153	UR	S085496
564350N 0370600E	IVANKOVO ELECTRONICS R+D FAC WIND TUNNEL SUSP	UR	S085388
564350N 0370600E	IVANKOVO ELECTRONICS R+D FACILITY PROB	UR	S085206
564350N 0370600E	IVANKOVO ELECTRONICS R+D FAC WIND TUNNEL SUSP	UR	S085227
564410N 0370850E	IVANKOVSKIY GUIDED MISSILE TRANSHIPMENT FAC	UR	S085653
564521N 0370700E	IVANKOVSKIY GUIDED MISSILE PLANT	UR	

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1
25X1

COORD	SUBJECT	COUN	ACCN NO.
560030N 0382348E	NOGINSK CHEMICAL PHYSICS INST CHEM LASER RSCH	UR	S085406
560030N 0382348E	NOGINSK CHEMICAL PHYSICS INST LASER RSCH BLDG	UR	S085428
560750N 0380954E	KRASNOARMEYSK SOLID MTR DEV FAC RKT MOTOR NEW	UR	S085606
560750N 0380954E	KRASNOARMEYSK SOLID MOTOR DEVELOPMENT FACIL	UR	S085076
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST AREA WPN ACT	UR	S085618
560723N 0381254E	KRASNOARMEYSK LASER DEVELOPMENT + TEST AREA	UR	S085390
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST AREA WPN ACT	UR	S085618
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST AREA FACIL 2	UR	S085215
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST COFFIN DEVICE	UR	S085419
560723N 0381254E	KRASNOARMEYSK LASER DEV/TEST PWR SUPPLY BLDG	UR	S085218
560723N 0381254E	KRASNOARMEYSK LASER DEV/TEST AREA MHD CMPNTS	UR	S085216
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST AREA WPNS ACT	UR	S085270
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST ROLL-OFF SHLTR	UR	S085214
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST COFFIN DEVICE	UR	S085411
560723N 0381254E	KRASNOARMEYSK LASER DEVELOPMENT + TEST AREA	UR	S085209
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST AREA FACIL 1	UR	S085208
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST SLED TRACK/OBJ	UR	S085207
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST AREA FACIL 3	UR	S085217
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST COFFIN PLATE	UR	S085213
560723N 0381254E	KRASNOARMEYSK LASER DEV + TEST AREA WPNS ACT	UR	S085270
561351N 0400551E	VLADIMIR SRF ARMY HQ RADCOM XMTR STA BKR HARD	UR	S085378
561448N 0435341E	GORKIY MOTOR VEHICLE PLT RTR-60PB MODIF IDENT	UR	S085263

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TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

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COORD	SUBJECT	COUN	ACCN NO.
561448N 0435341E	GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	UR	S085340
561448N 0435341E	GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	UR	
561448N 0435341E	GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	UR	
561824N 0435945E	GORKIY RADIO RELAY/TV/FM BROADCAST CENTER	UR	S085931
561824N 0435945E	GORKIY RADIO RELAY/TV/FM BROADCAST CENTER	UR	
562142N 0435228E	GORKIY SHIPYARD 112 T CLASS SS LAUNCH	UR	S085338
563119N 0432853E	PRAVDINSK AIRFIELD AIRCRAFT BUNKER	UR	S085815
564815N 0443130E	SEMENOV RADIO RELAY STATION	UR	S085931
565603N 0532520E	IZHEVSK ROCKET ENGINE TEST FACILITY	UR	S085104
564857N 0603315E	SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	UR	S085422
564857N 0603315E	SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	UR	S085408
564857N 0603315E	SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	UR	S085422
565013N 0603710E	SVERDLOVSK RADIO PLT/AUTOMATION RESEARCH INST	UR	S085408
565013N 0603710E	SVERDLOVSK RADIO PLANT/AUTOMATION RSCH INST	UR	S085422
565013N 0603710E	SVERDLOVSK RADIO PLANT/AUTOMATION RSCH INST	UR	
560252N 0925551E	KRASNOYARSK ARMY BARRACKS AL2 + TRNG AREA TA1	UR	S085697
560252N 0925551E	KRASNOYARSK ARMY BARRACKS AL2 + TRNG AREA TA1	UR	
571746N 0282510E	OSTROV/GOROKHOVKA AIRFIELD TROPOSCATTER STA	UR	S085536
571748N 0282555E	OSTROV/GOROKHOVKA AIRFIELD GCA SITE	UR	
571748N 0282555E	OSTROV/GOROKHOVKA AIRFIELD	UR	
571700N 0282640E	OSTROV/GOROKHOVKA NAVAL AVIATION CP BKR	UR	
571912N 0282418E	OSTROV/GOROKHOVKA AIRFIELD NUCLEAR WPNS STGE	UR	
571909N 0282432E	OSTROV ASM STORAGE SITE GOROKHOVKA	UR	
5712 N 03304 E	GORODOMLYA OSTROV MISSILE RLTD FAC CONST SRCH	UR	S085695
570535N 0450840E	KRASNYE BAKI RADIO RELAY + TV BROADCAST STA	UR	S085931
570535N 0450840E	KRASNYE BAKI RADIO RELAY + TV BROADCAST STA	UR	
573940N 0463920E	SHAKHUNYA RADIO RELAY + TV BROADCAST STATION	UR	
573940N 0463920E	SHAKHUNYA RADIO RELAY + TV BROADCAST STATION	UR	

TOP SECRET CHESS RUFF

25X1

COORD	SUBJECT	COUN	ACCN NO.
575436N 0560800E	PERM PETROLEUM REFINERY GAS BURNOFF POINTS	UR	S085392
574115N 0601015E	NOVOASBEST RADIO RELAY + TV BROADCAST STATION	UR	S085909
574115N 0601015E	NOVOASBEST RADIO RELAY + TV BROADCAST STATION	UR	
595233N 0301406E	LENINGRAD SHIPYARD ZHDANOV 190 BUILDINGWAYS	UR	S085773
595233N 0301406E	LENINGRAD SHIPYARD ZHDANOV 190 190A U/C	UR	S085345
595736N 0301512E	LENINGRAD SHIPYARD PETROVSKIY PETR C CL P66	UR	S085351
595914N 0305935E	PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	UR	S085076
600307N 0303237E	LENINGRAD ORDNANCE R+D FACILITY	UR	S085593
600401N 0303615E	LENINGRAD SOLID MOTOR TEST FACILITY 1	UR	S085076
601250N 0304218E	LENINGRAD SOLID MOTOR TEST FACILITY 2	UR	
601533N 0304440E	LENINGRAD SOLID MOTOR TEST FACILITY 3	UR	
605905N 0464721E	KOTLAS PETROLEUM PRODUCTS STGE SAVVATIYA PUG	UR	S085597
605940N 0465140E	KOTLAS AAM SUPPORT FACILITY	UR	
605940N 0465140E	KOTLAS SAM SUPPORT FACILITY	UR	
605915N 0465255E	KOTLAS AIRFIELD SOUTH GCA SITE	UR	
605947N 0465224E	KOTLAS AIRFIELD SOUTH	UR	
605900N 0465700E	KOTLAS AIRFIELD SOUTH GCI SITE	UR	
611410N 0463730E	KOTLAS RADIO RELAY + TV STATION	UR	S085909
611410N 0463730E	KOTLAS RADIO RELAY + TV STATION	UR	
625746N 0402346E	PLESETSK MTC	UR	S085103
643514N 0394907E	SEVERODVINSK SHIPYARD YAGRY OSTROV Y CL SSRN	UR	S085518
642252N 0404328E	ARKHANGELSK/KHOLM AIRFIELD GCA SITE	UR	
642252N 0404328E	ARKHANGELSK/KHOLM AIRFIELD	UR	
642320N 0403920E	ARKHANGELSK/KHOLM EW RADAR FACILITY	UR	
642320N 0404100E	ARKHANGELSK/KHOLM SEAPLANE STATION	UR	
642310N 0404320E	ARKHANGELSK/KHOLM NAVAL AVIATION CP BUNKERED	UR	
642301N 0404520E	ARKHANGELSK ASM SUPPORT FACILITY	UR	

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COORD	SUBJECT	COUN	ACCN NO.
642404N 0403610E	ARKHANGELSK PETROLEUM PRODUCTS STGE U/G Kholm	UR	
642435N 0403815E	ARKHANGELSK AMMUNITION STORAGE FACILITY	UR	
651230N 0571720E	PECHORA PHASED-ARRAY RADAR FACILITY	UR	S085472
651230N 0571720E	PECHORA PHASED-ARRAY RADAR FACIL EASTERN ANT	UR	S085224
651230N 0571720E	PECHORA PHASED-ARRAY RADAR FACIL WESTERN ANT	UR	S085226
680643N 0332940E	OLENEGORSK ASM STORAGE FACILITY	UR	S085505
680835N 0332955E	OLENEGORSK AW RADAR FACILITY	UR	
680901N 0332647E	OLENEGORSK ASM SUPPORT FACILITY	UR	
680908N 0332743E	OLENEGORSK AIRFIELD	UR	
680906N 0332740E	OLENEGORSK AIRFIELD GCA SITE	UR	
685208N 0334300E	MALYAVR AIRFIELD FORGER YAK-36 AIRCRAFT SHLTR	UR	S085876
690543N 0332742E	SEVEROMORSK NAVAL MISSILE LDG FACIL OKOLNAYA	UR	S085677
690543N 0332742E	SEVEROMORSK NAVAL MSL LDG SLBM WHD TRF OPS	UR	S085601
691250N 0331745E	OLENYA GUBA SUBMARINE REPAIR BASE	UR	S085678
691208N 0332740E	POLYARNYY SUBMARINE BASE	UR	S085679
810838N 0641600E	GREEM BELL OSTROV AIRFIELD OBJECTS U/I	UR	S085266
810838N 0641600E	GREEM BELL OSTROV AIRFIELD OBJECTS U/I	UR	
121030N 0715530W	BAHIA DE PORTETE NARCOTICS TRANSSHIPMENT AREA	CO	S085621
121030N 0715530W	BAHIA DE PORTETE NARCOTICS TRANSSHIPMENT AREA	CO	
204707N 0761854W	HOLGUIN AIRFIELD FLOGGER MIG-23 IDENT	CU	S085625
220825N 0802720W	CIENFUEGOS PETROLEUM STGE FAC POSS U/C	CU	S085259
225217N 0823036W	SAN ANTONIO DE LOS BANOS AIRFIELD FLOGGER	CU	S085616
225938N 0822755W	LOURDES MILITARY HQ TORRENS ELECTRONICS FACIL	CU	S085259
225938N 0822755W	LOURDES MILITARY HQ TORRENS ELECTRONICS FACIL	CU	
085111S 0131431E	LUANDA AIRFIELD SA-7 SITE	AO	S085254
085111S 0131431E	LUANDA AIRFIELD SA-7 SITE	AO	

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COORD	SUBJECT	COUN	ACCN NO.
085213S 0131815E	LUANDA ARMY BARRACKS + STORAGE AREA MIL EQUIP	AO	S085332
085213S 0131815E	LUANDA ARMY BARRACKS + STORAGE AREA MIL EQUIP	AO	
114700S 0195200E	VILA LUSO ARMY BARRACKS + HQ SA-7 SITE	AO	S085254
114700S 0195200E	VILA LUSO ARMY BARRACKS + HQ SA-7 SITE	AO	
121600S 0491717E	DIEGO SUAREZ PORT FACILITIES COMMERCIAL	MA	S085494
142848S 0404231E	NACALA AIRFIELD SA-7 SITE	MZ	S085254
142848S 0404231E	NACALA AIRFIELD SA-7 SITE	MZ	

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6740 S 04551 E	MOLODEZHNYA AIRFIELD NEW	AY	S085925
043230S 0811145W	TALARA SA-3 SITE U/C IDENTIFICATION	PE	S085605

PART V

Listing of Reports by WAC/BE Number

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SUBJECT	COORD	COUN	ACCN NO.
GREEM BELL OSTROV AIRFIELD OBJECTS U/I	810838N 0641600E	UR	S085266
GREEM BELL OSTROV AIRFIELD OBJECTS U/I	810838N 0641600E	UR	
OLENEGORSK AIRFIELD GCA SITE	680906N 0332740E	UR	S085505
OLENEGORSK AW RADAR FACILITY	680835N 0332955E	UR	
POLYARNYY SUBMARINE BASE	691208N 0332740E	UR	S085679
SEVEROMORSK NAVAL MISSILE LDG FACIL OKOLNAYA	690543N 0332742E	UR	S085677
SEVEROMORSK NAVAL MSL LDG SLBM WHD TRF OPS	690543N 0332742E	UR	S085601
OLENEGORSK ASM STORAGE FACILITY	680643N 0332940E	UR	S085505
OLENEGORSK ASM SUPPORT FACILITY	680901N 0332647E	UR	
OLENYA GUBA SUBMARINE REPAIR BASE	691250N 0331745E	UR	S085678
MALYAVR AIRFIELD FORGER YAK-36 AIRCRAFT SHLTR	685208N 0334300E	UR	S085876
OLENEGORSK AIRFIELD	680908N 0332743E	UR	S085505
ARKHANGELSK/KHOLM AIRFIELD GCA SITE	642252N 0404328E	UR	S085595
ARKHANGELSK/KHOLM EW RADAR FACILITY	642320N 0403920E	UR	
ARKHANGELSK AMMUNITION STORAGE FACILITY	642435N 0403815E	UR	
ARKHANGELSK ASM SUPPORT FACILITY	642301N 0404520E	UR	
ARKHANGELSK PETROLEUM PRODUCTS STGE U/G KHOLM	642404N 0403610E	UR	
SEVERODVINSK SHIPYARD YAGRY OSTROV Y CL SSBN	643514N 0394907E	UR	S085518
ARKHANGELSK/KHOLM NAVAL AVIATION CP BUNKERED	642310N 0404320E	UR	S085595
ARKHANGELSK/KHOLM SEAPLANE STATION	642320N 0404100E	UR	
ARKHANGELSK/KHOLM AIRFIELD	642252N 0404328E	UR	
PECHORA PHASED-ARRAY RADAR FACIL EASTERN ANT	651230N 0571720E	UR	S085224
PECHORA PHASED-ARRAY RADAR FACIL WESTERN ANT	651230N 0571720E	UR	S085226
PECHORA PHASED-ARRAY RADAR FACILITY	651230N 0571720E	UR	S085472
KOTLAS RADIO RELAY + TV STATION	611410N 0463730E	UR	S085909

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SUBJECT	COORD	COUN	ACCN NO.
KOTLAS RADIO RELAY + TV STATION	611410N 0463730E	UR	
KOTLAS AIRFIELD SOUTH GCI SITE	605900N 0465700E	UR	S085597
KOTLAS SAM SUPPORT FACILITY	605940N 0465140E	UR	
KOTLAS AAM SUPPORT FACILITY	605940N 0465140E	UR	
KOTLAS PETROLEUM PRODUCTS STGE SAVVATIYA PUG	605905N 0464721E	UR	
KOTLAS AIRFIELD SOUTH	605947N 0465224E	UR	
PLESETSK MTC	625746N 0402346E	UR	S085103
LENINGRAD SOLID MOTOR TEST FACILITY 2	601250N 0304218E	UR	S085076
LENINGRAD SOLID MOTOR TEST FACILITY 1	600401N 0303615E	UR	
LENINGRAD SOLID MOTOR TEST FACILITY 3	601533N 0304440E	UR	
LENINGRAD ORDNANCE R+D FACILITY	600307N 0303237E	UR	S085593
OSTROV/GOROKHOVKA AIRFIELD GCA SITE	571748N 0282555E	UR	S085536
LENINGRAD SHIPYARD ZHDANOV 190 BUILDINGWAYS	595233N 0301406E	UR	S085773
LENINGRAD SHIPYARD ZHDANOV 190 190A U/C	595233N 0301406E	UR	S085345
LENINGRAD SHIPYARD PETROVSKIY PETR C CL PGG	595736N 0301512E	UR	S085351
PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	595914N 0305935E	UR	S085076
OSTROV/GOROKHOVKA AIRFIELD NUCLEAR WPNS STGE	571912N 0282418E	UR	S085536
OSTROV ASM STORAGE SITE GOROKHOVKA	571909N 0282432E	UR	
OSTROV/GOROKHOVKA AIRFIELD TROPOSCATTER STA	571746N 0282510E	UR	
OSTROV/GOROKHOVKA NAVAL AVIATION CP BKR	571700N 0282640E	UR	
OSTROV/GOROKHOVKA AIRFIELD	571748N 0282555E	UR	
IVANKOVO ELECTRONICS R+D FACILITY PROB	564350N 0370600E	UR	S085206
IVANKOVO ELECTRONICS R+D FAC WIND TUNNEL SUSP	564350N 0370600E	UR	S085227
IVANKOVO ELECTRONICS R+D FAC WIND TUNNEL SUSP	564350N 0370600E	UR	S085388
KRASNOARMEYSK LASER DEV + TEST SLED TRACK/OBJ	560723N 0381254E	UR	S085207
KRASNOARMEYSK LASER DEV + TEST AREA FACIL 1	560723N 0381254E	UR	S085208
KRASNOARMEYSK LASER DEVELOPMENT + TEST AREA	560723N 0381254E	UR	S085209

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SUBJECT	COORD	COUN	ACCN NO.
KRASNOARMEYSK LASER DEV + TEST COFFIN PLATE	560723N 0381254E	UR	S085213
KRASNOARMEYSK LASER DEV + TEST ROLL-OFF SHLTR	560723N 0381254E	UR	S085214
KRASNOARMEYSK LASER DEV + TEST AREA FACIL 2	560723N 0381254E	UR	S085215
KRASNOARMEYSK LASER DEV/TEST AREA MHD CMPNTS	560723N 0381254E	UR	S085216
KRASNOARMEYSK LASER DEV + TEST AREA FACIL 3	560723N 0381254E	UR	S085217
KRASNOARMEYSK LASER DEV/TEST PWR SUPPLY BLDG	560723N 0381254E	UR	S085218
KRASNOARMEYSK LASER DEV + TEST COFFIN DEVICE	560723N 0381254E	UR	S085411
KRASNOARMEYSK LASER DEV + TEST COFFIN DEVICE	560723N 0381254E	UR	S085419
KRASNOARMEYSK LASER DEV + TEST AREA WPNS ACT	560723N 0381254E	UR	S085270
KRASNOARMEYSK LASER DEV + TEST AREA WPNS ACT	560723N 0381254E	UR	
KRASNOARMEYSK LASER DEVELOPMENT + TEST AREA	560723N 0381254E	UR	S085390
KRASNOARMEYSK LASER DEV + TEST AREA WPN ACT	560723N 0381254E	UR	S085618
KRASNOARMEYSK LASER DEV + TEST AREA WPN ACT	560723N 0381254E	UR	
IVANKOVSKIY GUIDED MISSILE TRANSHIPMENT FAC	564410N 0370850E	UR	S085653
NOGINSK CHEMICAL PHYSICS INST LASER RSCH BLDG	560030N 0382348E	UR	S085428
NOGINSK CHEMICAL PHYSICS INST CHEM LASER RSCH	560030N 0382348E	UR	S085406
GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	561448N 0435341E	UR	S085340
GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	561448N 0435341E	UR	
GORKIY MOTOR VEHICLE PLT GAZ BRDM-2 SPANDREL	561448N 0435341E	UR	
GORKIY MOTOR VEHICLE PLT BTR-60PB MODIF IDENT	561448N 0435341E	UR	S085263
IVANKOVSKIY GUIDED MISSILE PLANT	564521N 0370700E	UR	S085653
GORKIY RADIO RELAY/TV/FM BROADCAST CENTER	561824N 0435945E	UR	S085931
GORKIY RADIO RELAY/TV/FM BROADCAST CENTER	561824N 0435945E	UR	
GORKIY SHIPYARD 112 T CLASS SS LAUNCH	562142N 0435228E	UR	S085338

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SUBJECT	COORD	COUN	ACCN NO.
KRASNOARMEYSK SOLID MOTOR DEVELOPMENT FACIL	560750N 0380954E	UR	S085076
KRASNOARMEYSK SOLID MTR DEV FAC RKT MOTOR NEW	560750N 0380954E	UR	S085606
VLADIMIR SRF ARMY HQ RADCOM XMTR STA BKR HARD	561351N 0400551E	UR	S085378
PRAVDINSK AIRFIELD AIRCRAFT BUNKER	563119N 0432853E	UR	S085815
IZHEVSK ROCKET ENGINE TEST FACILITY	565603N 0532520E	UR	S085104
SEменов RADIO RELAY STATION	564815N 0443130E	UR	S085931
KRASNYYE BAKI RADIO RELAY + TV BROADCAST STA	570535N 0450840E	UR	
KRASNYYE BAKI RADIO RELAY + TV BROADCAST STA	570535N 0450840E	UR	
SHAKHUNYA RADIO RELAY + TV BROADCAST STATION	573940N 0463920E	UR	
SHAKHUNYA RADIO RELAY + TV BROADCAST STATION	573940N 0463920E	UR	
NOVOASBEST RADIO RELAY + TV BROADCAST STATION	574115N 0601015E	UR	S085909
NOVOASBEST RADIO RELAY + TV BROADCAST STATION	574115N 0601015E	UR	
SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	564857N 0603315E	UR	S085422
SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	564857N 0603315E	UR	
SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ	564857N 0603315E	UR	S085408
SVERDLOVSK RADIO PLANT/AUTOMATION RSCH INST	565013N 0603710E	UR	S085422
SVERDLOVSK RADIO PLANT/AUTOMATION RSCH INST	565013N 0603710E	UR	
SVERDLOVSK RADIO PLT/AUTOMATION RESEARCH INST	565013N 0603710E	UR	S085408
PERM PETROLEUM REFINERY GAS BURNOFF POINTS	575436N 0560800E	UR	S085392
KRASNOYARSK ARMY BARRACKS AL2 + TRNG AREA TA1	560252N 0925551E	UR	S085697
KRASNOYARSK ARMY BARRACKS AL2 + TRNG AREA TA1	560252N 0925551E	UR	
NOVOSIBIRSK AIRFRAME PLANT CHKALOV 153	550401N 0825910E	UR	S085496
TATARSK ARMY BARRACKS AL1	551240N 0755835E	UR	S085923
ALEYSK ICBM RTP SS-18 PROPELLANT TRF/STGE FAC	522828N 0824138E	UR	S085204
OMSK TANK PLANT VOROSHILOV 174	545556N 0732329E	UR	S085096
OMSK ARMY BARRACKS SSE AL5 + TRAINING AREA 2	545304N 0732936E	UR	S085698

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SUBJECT	DE	COORD	COUN	ACCN NO.
OMSK ARMY BARRACKS SSE AL5 + TRAINING AREA 2		545304N 0732936E	UR	
OMSK SRF ARMY HQ RADIO COMMO XMTR BKR HARD		545613N 0740739E	UR	S085410
OMSK ARMY BARRACKS AL7 + TRAINING AREA 1		545300N 0732018E	UR	S085699
OMSK ARMY BARRACKS AL7 + TRAINING AREA 1		545300N 0732018E	UR	
OMSK ARMY BARRACKS AL9 + HQ TANK DIVISION		545740N 0732350E	UR	S085700
CHELYABINSK TRACTOR + GM SUPPORT EQUIP PLANT		550916N 0612802E	UR	S085493
CHELYABINSK TRACTOR + GM SUPPORT EQUIP PLANT		550916N 0612802E	UR	
CHELYABINSK PETROLEUM PRODUCTS STORAGE		550923N 0612849E	UR	
KUSTANAY AIRFIELD SOUTH SAT RECOVERY ASSOC		531226N 0633252E	UR	S085690
KUSTANAY AIRFIELD SOUTH SAT RECOVERY ASSOC		531226N 0633252E	UR	
ORENBURG SRF ARMY HQ RADIO XMTR STATION BKR		520152N 0701818E	UR	S085409
KAZAN AIRCRAFT ENGINE PLANT 16		555119N 0490620E	UR	S085076
UFA PETROLEUM RFY NOVO CHERNIKOVSK WASTE PITS		545552N 0560355E	UR	S085392
UFA CHEMICAL PLANT GAS BURNOFF POINT		545040N 0560624E	UR	
KUYBYSHEV ARMY BARRACKS KRYAZH AL5		530648N 0500719E	UR	S085924
KAZAN MISSILE PROPULSION R+D FACILITY		555345N 0485007E	UR	S085076
KAZAN HEAT + POWER PLANT 3 GAS BURNOFF POINT		555204N 0485708E	UR	S085392
CHAADAYEVKA ALTERNATE HEADQUARTERS PENZA EAST		530832N 0460547E	UR	S085908

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MICHURINSK TV RELAY STATION		525348N 0402955E	UR	S085909
SMOLENSK SRF ARMY HQ RADCOM XMTR BKR HARD		544110N 0315100E	UR	S085412
RAMENSKOYE FLIGHT TEST CENTER AREA 5		553238N 0380710E	UR	S085434
RAMENSKOYE FLIGHT TEST CENTER AREA 5		553238N 0380710E	UR	S085435
RAMENSKOYE FLIGHT TEST CENTER AREA 5		553238N 0380710E	UR	S085398

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
KUZNETSOVO AIRCRAFT ENGINE TEST FAC PROB U/C		553226N 0382941E	UR	S085429
KUZNETSOVO AIRCRAFT ENGINE TEST FAC PROB U/C		553226N 0382941E	UR	S085383
MOSKVA MISSILE DESIGN BUREAU		554415N 0373700E	UR	S085405
MOSKVA MISSILE DESIGN BUREAU		554415N 0373700E	UR	S085416
MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165		554935N 0373935E	UR	S085403
MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165		554935N 0373935E	UR	S085420
MOSKVA PHYSICAL PROBLEMS INSTITUTE VAVILOV		554227N 0373400E	UR	S085688
MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156		554542N 0374034E	UR	S085228
MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156		554542N 0374034E	UR	S085384
MOSKVA AIRCRAFT ENG EXPMT PLT LUZNETSKAYA 300		554254N 0373415E	UR	S085205
MOSKVA AIRCRAFT ENG EXPMT PLT LUZNETSKAYA 300		554254N 0373415E	UR	S085225
MOSKVA GUIDED MISSILE R+D/PROD PLT TEST STAND		555444N 0372701E	UR	S085210
MOSKVA GUIDED MISSILE R+D/PROD PLT KHIMKI 293		555444N 0372701E	UR	S085212
MOSKVA GUIDED MISSILE R+D/PROD PLT KHIMKI 293		555444N 0372701E	UR	S085382
RAMENSKOYE FLIGHT TEST CENTER RAM K NEW IDENT		553418N 0380923E	UR	S085761
MOSKVA/SHCHELKOVO ESV TRACKING FACILITY		555644N 0375803E	UR	S085628
MOSKVA SOLID MOTOR PRODUCTION PLANT LYUBERTSY		553648N 0375240E	UR	S085076
MOSKVA SOLID MOTOR PROD CPLX ROCKET MOTOR NEW		553648N 0375240E	UR	S085606
LYUBERTSY HELICOPTER EXPERIMENTAL PLANT KAMOV		554154N 0375242E	UR	S085219
LYUBERTSY HELICOPTER EXPERIMENTAL PLANT KAMOV		554154N 0375242E	UR	S085385

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
MOSKVA MILITARY DESIGN BUREAU + EXPMT FACIL		554000N 0375600E	UR	S085223
MOSKVA MILITARY DSGN BUR + A/C EXPMT HELI NEW		554000N 0375600E	UR	S085658
MOSKVA MILITARY DSGN BUR + A/C EXPMT HELI NEW		554000N 0375600E	UR	
MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC		554000N 0375600E	UR	S085389
MOSKVA MILITARY DESIGN BUREAU + A/C EXPMT FAC		554000N 0375600E	UR	
MOSKVA ARMY BKS AL48 ANTITERRORIST TRNG FACIL		554825N 0380210E	UR	S085497
MOSKVA ARMY BKS AL48 ANTITERRORIST TRNG FACIL		554825N 0380210E	UR	
NEMCHINOVKA RADIO RELAY/RADIO COMMO STA HARD		554340N 0372130E	UR	S085932
POCHINOK AIRFIELD AIRCRAFT BUNKERS		542027N 0322828E	UR	S085805
KUBINKA AIRFIELD AIRCRAFT BUNKERS		553645N 0363855E	UR	S085806
GUSEV ARMY BARRACKS AL2 + HQ MRD BTR-70 IDENT		543559N 0221311E	UR	S085093
MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT		535131N 0273931E	UR	S085614
MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT		535131N 0273931E	UR	
MINSK MOTOR VEH/GM SUPT EQUIP PLT CNCLMT ACT		535131N 0273931E	UR	
MINSK/MACHULISHCHE AIRFIELD AS-4 MODIF POSS		534626N 0273442E	UR	S085381
MINSK/MACHULISHCHE AIRFIELD AS-4 MODIF POSS		534626N 0273442E	UR	
KALININGRAD MILITARY BARRACKS AL3 ARTY BRGD		544450N 0202758E	UR	S085262
SZCZECIN ARMY BARRACKS 2 SA-6 REGT/ENGR BRGD		532137N 0143524E	PL	S085918

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
PODJUCHY ENGINEER STORAGE FACILITY 503		532151N 0143539E	PL	S085918
PETROPAVLOVSK NAVAL MSL LDG FAC SLBM WHD TRF		525714N 1582550E	UR	S085601
LESNOY NAVAL RADIO COMMO XMTR STATION BKR		531314N 1580227E	UR	S085696
PETROPAVLOVSK/YELIZOVO AIRFIELD ACTIVITY		530957N 1582713E	UR	S085687
TYGDA RADIO RELAY STATION		530305N 1261542E	UR	S085694
CHITA SRF ARMY HQ RADIO COMMO XMTR HARD ANTS		520324N 1601137E	UR	S085407
LLINKA RADIO RELAY STATION		520519N 1071626E	UR	S085933
KHOKUTUY RADIO RELAY STATION		511430N 1093330E	UR	
NOVOPAVLOVKA RADIO RELAY STATION		511030N 1091240E	UR	
KHILUK RADIO RELAY STATION		512020N 1102630E	UR	
SARANKA RADIO RELAY STATION		513200N 1111220E	UR	
BOLSHAYA RECHKA RADIO RELAY STATION		515750N 1061745E	UR	
NOVOILINSK RADIO RELAY STATION		513920N 1084130E	UR	
DROVYANAYA MOBILE IRBM BASE 4 U/C		512251N 1125014E	UR	S085626
ULAN UDE AIRFRAME PLT 99 HIP C MODIF INCREASE		515123N 1074344E	UR	S085343
INGODA RADIO RELAY STATION		515055N 1130520E	UR	S085873
CHOYBALSAN AIRFIELD NE SA-7 SITE		480802N 1143847E	MG	S085254
CHOYLALSAN AIRFIELD NE SA-7 SITE		480802N 1143847E	MG	
SHILKA RADIO RELAY + TV BROADCAST STATION		515451N 1161951E	UR	S085694
SHILKA RADIO RELAY + TV BROADCAST STATION		515451N 1161951E	UR	

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TOP SECRET CHESS RUFF

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
BORZYA ARMY BKS AL3/HQ MRD/SA-4 BRGD SA-7 ACT		502105N 1162720E	UR	S085254
BORZYA ARMY BKS AL3/HQ MRD/SA-4 BRGD SA-7 ACT		502105N 1162720E	UR	
BELOGORSK ARMY BKS AL1/HQ MRD TK DIV REORG		505413N 1282858E	UR	S085879
KOMSOMOLSK SHIPYARD AMUR 199 ARD D		503232N 1370248E	UR	S085771
KHABAROVSK SHIPYARD USSURI SOUTH 876		482405N 1350226E	UR	S085631
POSTOLOPRTY ARMY BARRACKS SW		502135N 0134145E	CZ	S085264
POSTOLOPRTY ARMY BARRACKS NW 2		502155N 0134140E	CZ	
ZVON SIGINT FACILITY		493425N 0123705E	CZ	S085819
OYLEN TILLENBERG SIGINT COLLECTION FACILITY		495812N 0123019E	CZ	

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DUBNICA NAD VAHOM METALLURGICAL PLT MIL PROD
DUBNICA NAD VAHOM METALLURGICAL PLT MIL PROD

485800N 0181114E CZ S085610
485800N 0181114E CZ

LABELY STEEL + TANK MANUFACTURING PLANT
LABELY STEEL + TANK MANUFACTURING PLANT

502140N 0183651E PL S085074
502140N 0183651E PL

MUKACHEVO AIRFIELD AIRCRAFT BUNKERS

482358N 0224115E UR S085922

IVANO FRANKOVSK AIRFIELD AIRCRAFT BUNKERS

485317N 0244130E UR S085920

STRYY AIRFIELD AIRCRAFT BUNKERS

491443N 0234726E UR S085877

VINNITSA SRF ARMY HEADQUARTERS RDO XMTR BKR

493030N 0280010E UR S085200

NEZHIN AIRFIELD Aw RADAR FACILITY
NEZHIN AIRFIELD GCA SITE

510500N 0315500F UR S085508
510519N 0315207E UR

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
KOROSTEN ARMY BKS LUGINY AL3 TANK DIV REORG		510531N 0282251E	UR	S085879
KOROSTEN ARMY BKS AL1/SAM SUPT TANK DIV REORG		505624N 0283850E	UR	
OVRUCH ARMY BARRACKS AL1 + HQ TANK DIV REORG		511947N 0284744E	UR	
DERAZHNYA ICBM SITE 57D TYPE 3G SILO U/C		492036N 0273551E	UR	S085619
DERAZHNYA LAUNCH CONTROL FACILITY DD CONST		491852N 0272650E	UR	
DERAZHNYA LAUNCH CONTROL FACIL DD LCC REMOVED		491852N 0272650E	UR	S085331
LUTSK AIRFIELD NORTH AIRCRAFT BUNKERS		504720N 0252050E	UR	S085921
NEZHIN AIRFIELD		510519N 0315207E	UR	S085508
STARO KONSTANTINOV AIRFIELD AIRCRAFT BUNKERS		494456N 0271614E	UR	S085919
VASILKOV AIRFIELD AIRCRAFT BUNKERS		501404N 0301804E	UR	S085685
DUBNO AIRFIELD NE AIRCRAFT BUNKERS		502645N 0255017E	UR	S085875
PERVOMAYSK SSM COMPLEX SILO MODIFICATIONS		481224N 0305416E	UR	S085330
NIKITOVKA TV BROADCAST STATION PROR		482010N 0380200E	UR	S085864
VORONEZH AIRFRAME PLANT 64		513819N 0391517E	UR	S085613
VORONEZH ROCKET ENGINE TEST FACILITY		513432N 0390945E	UR	S085431
VORONEZH ROCKET ENG TEST FAC HRZTL TEST BLDG		513432N 0390945E	UR	S085432
VORONEZH ROCKET ENG TEST FAC LASER RANGE PROB		513432N 0390945E	UR	S085433
VORONEZH ROCKET ENG TEST FAC LASER RANGE PROB		513432N 0390945E	UR	
VORONEZH ROCKET ENG TEST FAC LASER TEST RANGE		513432N 0390945E	UR	S085400
VORONEZH ROCKET ENG TEST FAC LASER TEST RANGE		513432N 0390945E	UR	
KHARKOV AIRFRAME PLANT 135		500129N 0361542E	UR	S085105
PAVLOGRAD SOLID MTR PROD CPLX RKT MOTOR NEW		483401N 0354912E	UR	S085606
PAVLOGRAD SOLID MTR TEST FAC SS-17/18 LAD		482605N 0355817E	UR	S085393
PAVLOGRAD SOLID MTR TEST FAC SS-17/18 LAD		482605N 0355817E	UR	
VORONEZH AIRFIELD SW AIRCRAFT BUNKERS		513710N 0390830E	UR	S085811

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
TEREKTY ASM IMPACT AREA RADAR AREA A U/I OBJ		481515N 0483140E	UR	S085199
KAPUSTIN YAR MTC INSTRUMENTATION SITE A6		484130N 0461400E	UR	S085198
KAPUSTIN YAR MTC SRBM CPLX A ASBLY/CHECKOUT		484116N 0461648E	UR	
KAPUSTIN YAR MTC NAVAL TEST COMPLEX B SITE 1		484012N 0461615E	UR	
KAPUSTIN YAR MTC RIM FACILITY SS-16/20 EQUIP		484039N 0460932E	UR	S085517
KAPUSTIN YAR MTC RIM FACILITY SS-16/20 EQUIP		484039N 0460932E	UR	
KAPUSTIN YAR MTC SPACE SITE 7C SL-8J SLV		483226N 0461754E	UR	S085577
VOLGOGRAD AMMUNITION + TANK DEPOT DA1/D01		484212N 0442306E	UR	S085261
URALSK AIRFIELD SATELLITE RECOVERY ASSOC POSS		511506N 0512555E	UR	S085690
URALSK AIRFIELD SATELLITE RECOVERY ASSOC POSS		511506N 0512555E	UR	
KAPUSTIN YAR MTC ELECTRONICS EQUIPMENT		484107N 0455853E	UR	S085395
ORSK RADIO RELAY + TV BROADCAST CENTER		511355N 0582712E	UR	S085909
ORSK RADIO RELAY + TV BROADCAST CENTER		511355N 0582712E	UR	
DONGUZ ARTILLERY TEST AREA SP AA GUN NEW POSS		513203N 0545729E	UR	S085516
AKTYUBINSK AIRFIELD SAT RECOVERY ASSOC POSS		501447N 0571218E	UR	S085690
AKTYUBINSK AIRFIELD SAT RECOVERY ASSOC POSS		501447N 0571218E	UR	
ORENBURG AIRFIELD SW SAT RECOVERY ASSOC POSS		514258N 0550118E	UR	
ORENBURG AIRFIELD SW SAT RECOVERY ASSOC POSS		514258N 0550118E	UR	
ORENBURG AIRFIELD CIVIL SAT RECOVERY ASSOC		514645N 0551921E	UR	
ORENBURG AIRFIELD CIVIL SAT RECOVERY ASSOC		514645N 0551921E	UR	
ORENBURG AIRFIELD SOUTH SAT RECOVERY ASSOC		513920N 0550441E	UR	
ORENBURG AIRFIELD SOUTH SAT RECOVERY ASSOC		513920N 0550441E	UR	
ORENBURG AIRFIELD NE SAT RECOVERY ASSOC POSS		515827N 0553256E	UR	
ORENBURG AIRFIELD NE SAT RECOVERY ASSOC POSS		515827N 0553256E	UR	

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TSELINOGRAD AIRFIELD SAT RECOVERY ASSOC POSS
 TSELINOGRAD AIRFIELD SAT RECOVERY ASSOC POSS
 KARAGANDA AIRFIELD SE SAT RECOVERY ASSOC POSS
 KARAGANDA AIRFIELD SE SAT RECOVERY ASSOC POSS
 TSELINOGRAD AIRFIELD SOUTH SAT RECOVERY ASSOC
 TSELINOGRAD AIRFIELD SOUTH SAT RECOVERY ASSOC

510718N 0712530E UR S085690
 510718N 0712530E UR
 494755N 0730831E UR
 494755N 0730831E UR
 510110N 0712850E UR
 510110N 0712850E UR

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AYAGUZ AIRFIELD CUB AN-12

475503N 0802710E UR S085346

SARY SHAGAN MTC ELCT TEST FAC COFFIN SHELTER

455100N 0733500E UR S085211

SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB
 SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB

454840N 0733404E UR S085430
 454840N 0733404E UR

SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB
 SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB

454840N 0733404E UR S085414
 454840N 0733404E UR

SARY SHAGAN MTC AREA 1 LASER WEAPONS ACTIVITY
 SARY SHAGAN MTC AREA 1 LASER WEAPONS ACTIVITY

460147N 0724009E UR S085270
 460147N 0724009E UR

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TYURATAM MTC SPACE SITE B1 CONST ACT UNIQUE

455950N 0633348E UR S085380

TYURATAM MTC ICBM SITE V4 LAYOUT/SILO DETAIL

460325N 0630154E UR S085417

NOVOCHERKASSK RADIO RELAY STATION

472002N 0400009E UR S085820

ZAPOROZHYE AIRCRAFT ENGINE PLANT 478

474928N 0351147E UR S085220

ZAPOROZHYE AIRCRAFT ENGINE PLT 478 TEST CELL

474928N 0351147E UR S085222

ZAPOROZHYE AIRCRAFT ENGINE PLANT 478 DSGN BUR

474928N 0351147E UR S085387

TAGANROG AIRFRAME PLANT 86 CANDID ODDIF IDENT

471150N 0385220E UR S085513

TAGANROG AIRFRAME PLANT 86 CANDID MODIF IDENT

471150N 0385220E UR S085515

KRASNOGAR TV + FM BROADCAST CENTER

450130N 0390020E UR S085917

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
FEODOSIYA NAVAL BASE + SHIP REPAIR YARD		450131N 0352340E	UR	S085630
FEODOSIYA NAVAL BASE + SHIP REPAIR YARD		450131N 0352340E	UR	
FEODOSIYA TORPEDO + ASW WEAPONS STORAGE FACIL		450047N 0352427E	UR	S085507
FEODOSIYA NAVAL WPNS R+D FAC NAV CR MSL ACT		450105N 0352455E	UR	S085286
FEODOSIYA NAVAL WPNS R+D FAC NAV CR MSL ACT		450105N 0352455E	UR	
ROSTOV ARMY BARRACKS NE AL10		471630N 0395350E	UR	S085769
FEODOSIYA NAVAL FACILITIES APPROACHES SW		4459 N 03523 E	UR	S085629
KRYMSK AIRFIELD AIRCRAFT BUNKERS		445750N 0380005E	UR	S085684
ROSTOV AIRFIELD NW AIRCRAFT BUNKERS		471646N 0393812E	UR	S085683
KHERSON SHIPYARD KOMINTERN		463735N 0323530E	UR	S085680
NIKOLAYEV SHIPYARD NORTHERN 61 FLT6 DRYDOCK		465840N 0320019E	UR	S085774
BALAKLAVA NAVAL FACILITIES APPROACHES		4429 N 03336 E	UR	S085650
BALAKLAVA SUBMARINE BASE/SHIP RPR YD 4025 SSB		443010N 0333554E	UR	S085521
BALAKLAVA SUBMARINE BASE/SHIP RPR TEST BARGE		443010N 0333554E	UR	S085615
BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD		443010N 0333554E	UR	S085651
BALAKLAVA SUBMARINE BASE/SHIP RPR TEST BARGE		443010N 0333554E	UR	S085615
BALAKLAVA SUBMARINE BASE/SHIP RPR YD 4025 SSB		443010N 0333554E	UR	S085521
BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD		443010N 0333554E	UR	S085651
NIKOLAYEV PORT FACILITIES SOUTH SS-1 TEL		464958N 0315659E	UR	S085623
NIKOLAYEV PORT FACILITIES SOUTH SS-1 TEL		464958N 0315659E	UR	
MARKULESHTY AIRFIELD AIRCRAFT BUNKERS		475146N 0281248E	UR	S085807
SEVASTOPOL/BELBEK AIRFIELD AIRCRAFT BUNKERS		444127N 0333422E	UR	S085817
TIRASPOL AIRFIELD AIRCRAFT BUNKERS		465206N 0293528E	UR	S085810

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
VOZNESENSK AIRFIELD AIRCRAFT BUNKERS		473047N 0311536E	UR	S085808
LIMANSKOYE AIRFIELD AIRCRAFT BUNKERS		464007N 0300042E	UR	S085818
CHERVONO GLINSKOYE AIRFIELD AIRCRAFT BUNKERS		455650N 0292239E	UR	S085686
BLAGOYEVO AIRFIELD HIP C MI-8 MODIFIED IDENT		465337N 0304151E	UR	S085075
BLAGOYEVO AIRFIELD AIRCRAFT BUNKERS		465337N 0304151E	UR	S085816
BUCURESTI AIRFRAME PLANT BANEASA		443011N 0260550E	RO	S085608
BUCURESTI/BANEASA AIRFIELD		443011N 0260550E	RO	
ANIVA ARMY BARRACKS RAILROAD STATION NW 1		464247N 1423140E	UR	S084944
MUTANCHIANG PETROLEUM REFINERY		443711N 1293755E	CH	S085499
NIENTZUSHAN AMMUNITION PLANT 123		473120N 1225440E	CH	S085607
SUMBER SUMA ARMY BARRACKS AL2 COMMO ANTENNAS		462210N 1082130E	MG	S085652
SUMBER SUMA ARMY BARRACKS AL2 COMMO ANTENNAS		462210N 1082130E	MG	
ULAANBAATAR RADIO COMMO RECEIVER STATION ANTS		475440N 1064551E	MG	
SHUANGCHENG TZU MTC SITE B1/2 TRENCHING		411828N 1001854E	CH	S085424
SHUANGCHENG TZU MTC SITE B1/2 TRENCHING		411828N 1001854E	CH	S085425
SHUANGCHENG TZU MTC SITE B1/2 TRENCHING		411828N 1001854E	CH	S085404
SHUANGCHENG TZU MTC		410800N 1001500E	CH	S085275
PAOTOU MISSILE EQUIPMENT + ARTILLERY PLT 447		404105N 1095235E	CH	S085073
PAOTOU MISSILE EQUIPMENT + ARTILLERY PLT 447		404105N 1095235E	CH	
PAOTOU ARMORED VEHICLE PLANT 617 STGE BLDGS		404006N 1095423E	CH	S085655
PAOTOU ARMORED VEHICLE PLANT 617		404006N 1095423E	CH	S085089
HUOHUAOTE SOLID PROPELLANT COMPLEX EXPANSION		404414N 1115740E	CH	S085609
HUOHUAOTE SOLID PRPLNT CPLX RKT MTR DEV/PROD		404414N 1115740E	CH	S085495
CHINHAI MTC		404126N 1205309E	CH	S085275

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
SHENYANG/TUNGHUA TELECOMMUNICATIONS LINE U/G		414340N 1255230F	CH	S085274
SHENYANG AIRFRAME PLANT 112		415208N 1232600E	CH	S085656
SHENYANG AIRFRAME PLANT 112 SAM PROD/DEV SRCH		415208N 1232600E	CH	S085252
SHENYANG AIRFRAME PLANT 112		415208N 1232600E	CH	S085258
SHENYANG AIRFRAME PLANT 112 SAM PROD/DEV SRCH		415208N 1232600E	CH	S085252
SHENYANG AIRCRAFT ENG PLANT 410 SAM PROD SRCH		414740N 1232950E	CH	
SHENYANG AIRCRAFT ENG PLT 410 SAM PROD SEARCH		414740N 1232950E	CH	
SHENYANG AIRCRAFT ENGINE PLANT 410		414740N 1232950E	CH	S085258
SHENYANG ELECTRICAL EQUIP PLT SAM PROD SEARCH		414930N 1232953E	CH	S085252
SHENYANG ELECTRICAL EQUIP PLT SAM PROD SEARCH		414930N 1232953E	CH	
SHENYANG ROCKET ENG TEST FAC SAM PROD SEARCH		415508N 1234215E	CH	
SHENYANG ROCKET ENG TEST FAC SAM PROD SEARCH		415508N 1234215E	CH	
CHINGYU MTC		421705N 1265320E	CH	S085275
VLADIVOSTOK ECM FACILITY SE DO-EL-1 ECM RADAR		430615N 1315750E	UR	S085624
USSURIYSK ARMY BARRACKS SSE AL1		434409N 1320008E	UR	S084945
VLADIVOSTOK NAVAL RESERVE BASE NOVIK GUBA		430128N 1315142E	UR	S085632
USSURIYSK ARMY BARRACKS NORTH AL2/HQ ARTY DIV		434932N 1315650F	UR	S085574
PETROVKA NAVAL BASE/SHPYD V-2 CL SSUN MODIF		430703N 1322017E	UR	S085342
PETROVKA NAVAL BASE/SHPYD V-2 CL SSUN MODIF		430703N 1322017E	UR	
DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK		425400N 1322110E	UR	S085609
DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK		425400N 1322110E	UR	S085511
DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK		425400N 1322110E	UR	
DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK		425400N 1322110F	UR	S085609
GORNA MALINA ARMY BKS SIGNAL REGT EXPSN PROB		424234N 0234107E	RU	S085092

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
BAKU NAVAL BASE + SHIP REPAIR YARD		402042N 0495053E	UR	S085634
BAKU NAVAL BASE + SHIP REPAIR YARD		402042N 0495053E	UR	
NAZRAN RADIO RELAY STATION		431325N 0444550E	UR	S085694
SAMASHKI RADIO RELAY STATION		431745N 0451800E	UR	
BAKU NAVAL FACILITIES APPROACHES		4020 N 04953 E	UR	S085633
NASOSNYI AIRFIELD AIRCRAFT BUNKERS		403534N 0493322E	UR	S085689
TASHKENT MILITARY RADIO COMMO RECEIVER STA		412000N 0692335E	UR	S085803
CHIRCHIK ARMY BARRACKS AL9		412702N 0693320E	UR	S085701
BELOVOUSKOYE ARMY BARRACKS AL2		424900N 0740550E	UR	S085702
FERGANA AVTOKOLONNA 2504		402155N 0714624E	UR	S085692
DZHANGYPAKHTA NAVAL RADIO COMMO RCVR STA BKR		430448N 0741012E	UR	S085804
ALMA ATA ARMY BARRACKS EAST AL4		431620N 0765740E	UR	S085703
RYBACHYE ARMY BARRACKS AL1/TRAINING AREA TA1		422950N 0761200E	UR	S085704
RYBACHYE ARMY BARRACKS AL1/TRAINING AREA TA1		422950N 0761200E	UR	
KIZYL ARVAT ARMY BARRACKS SE AL4		385750N 0561700E	UR	S085705
EL ASNAM AIRFIELD AW RADAR FACILITY IDENT		361239N 0012000E	AG	S085620
EL ASNAM AIRFIELD SA-6 REGIMENT IDENT		361239N 0012000E	AG	
EL ASNAM AIRFIELD SA-6 REGIMENT IDENT		361239N 0012000E	AG	
ANHUNG MISSILE FLIGHT TEST RANGE		364030N 1261000E	KS	S085500
CHANGHWA DONG SIGINT FACILITY		380450N 1264325E	KN	S085250

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
CHINGTAO PETROLEUM REFINERY		361300N 1202250E	CH	S085499
ITU SSM TRAINING POSITION		363604N 1182842E	CH	S085423
TENGSHAHO SSM FIELD POSITION CSS-1/CSS-2 TRNG		390855N 1220503E	CH	S085514
TAIYUAN THERMAL POWER PLANT 2		375516N 1123228E	CH	S085392
WUCHAI MTC IRBM R+D TRNG SITE A ACTIVITY		384952N 1113618E	CH	S085333
WUCHAI MTC IRBM R+D TRNG SITE A CSS-2 ERECTED		384952N 1113618E	CH	S085339
FANGSHAN PETROLEUM RFY WASTE DISPOSAL PITS		394453N 1155542E	CH	S085392
WUCHAI MTC ICBM SITE B CSS-X-4 LDG/UNLDG ACT		385255N 1113527E	CH	S085350
WUCHAI MTC ICBM SITE B CSS-X-4 LDG/UNLDG ACT		385255N 1113527E	CH	S085617
WENSHUI AIRFIELD SUPPORT FACILITY A U/G U/C		372442N 1115523E	CH	S085503
WENSHUI AIRFIELD SUPPORT FACILITY A1 U/G U/C		372437N 1115529E	CH	
WENSHUI AIRFIELD SUPPORT FACILITY A2 U/G U/C		372447N 1115517E	CH	
WENSHUI AIRFIELD		372426N 1115756E	CH	
WUCHAI MTC		384950N 1113620E	CH	S085275
KUCHENG AIRCRAFT ENGINE TEST FACILITY		320410N 1114620E	CH	S085657
LOHO ARMY BARRACKS AL1		333505N 1140135E	CH	S085063
CHANGKO ARMY BARRACKS AL3		341400N 1134610E	CH	S085061
HSIANGCHENG ARMY BARRACKS AL1		335119N 1132804E	CH	S085062
SHANGCHIU MILITARY BKS AL5/HQ INF DIV/SCHOOL		342558N 1153740E	CH	S085051
SHANGCHIU MILITARY BKS AL5/HQ INF DIV/SCHOOL		342558N 1153740E	CH	
MINGCHIANG ARMY BARRACKS NW AL1 + HQ INF DIV		322906N 1140050E	CH	S085056
SHANGCHIU ARMY BARRACKS AL2		342557N 1153840E	CH	S085053
SHANGCHIU ARMY BARRACKS SW AL3		342301N 1153450E	CH	S085052
SHANGCHIU ARMY BARRACKS AL4/HQ INFANTRY DIV		342350N 1153718E	CH	S085054

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SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
HSUCHANG ARMY BARRACKS AL5 + HQ INFANTRY DIV		340238N 1134923E	CH	S085058
LANTIEN SOLID PRPLNT PROD CPLX RKT MOTOR DEV		340312N 1092400E	CH	S085094
HSUCHANG ARMY BARRACKS AL8		340010N 1134420E	CH	S085059
HSUCHANG MILITARY AREA 1		3401 N 11349 E	CH	S085057
HSUCHANG MILITARY AREA 2		3401 N 11349 E	CH	S085060
SHANGCHIU MILITARY AREA 1		3427 N 11539 E	CH	S085050
MINGCHIANG MILITARY AREA 1		3228 N 11403 E	CH	S085055
TANGHO PETROLEUM REFINERY		324040N 1123545E	CH	S085499
AIN OUSSERA AIRFIELD FOXBAT MIG-25 IDENT		353123N 0025246E	AG	S085337
SIDI BILAL FORT COMPLEX POLNOCNY CL LSM DMG		324900N 0125800E	LY	S085519
SIDI BILAL FORT COMPLEX POLNOCNY CL LSM DMG		324900N 0125800E	LY	

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BAGHDAD AIR DEPOT M-1974 122MM SP GUN SHPMT		333125N 0441425E	IZ	S085523
BAGHDAD AIR DEPOT M-1974 122MM SP GUN SHPMT		333125N 0441425E	IZ	
BAGHDAD MILITARY TRAINING AREA NW 2 ARMD BRDG		334600N 0440100F	IZ	S085341
BAGHDAD MILITARY BKS/SCHOOL/HQ M-1974 SP GUN		331730N 0442810F	IZ	S085523
AL ISMAILIYAH SA-2 SITE B25A MILITARY PARADE		302722N 0315952E	EG	S085336
AL ISMAILIYAH SA-2 SITE B25A MILITARY PARADE		302722N 0315952E	EG	
SIDI BARRANI ARMORED VEH CONC + HQ BRGD SA-7		312136N 0255224E	EG	S085254
SIDI BARRANI ARMORED VEH CONC + HQ BRGD SA-7		312136N 0255224E	EG	
CHENHAI PETROLEUM REFINERY U/C		295900N 1213930F	CH	S085499
HSINHSIANG NAVAL BASE		301506N 1221817E	CH	S085682
WUHSING MISSILE PROPULSION R+D CENTER EXPSN		304450N 1200135E	CH	S085609

25X1

TOP SECRET CHESS RUFF

25X1

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
HSINHSIANG NAVAL FACILITIES APPROACHES		301520N 1221828E	CH	S085681
CHIUCHIANG PETROLEUM REFINERY		294425N 1160410E	CH	S085499
WUHU SHIPYARD		312102N 1182105E	CH	S085098
HSIANGKOU EXPLOSIVES + PROPELLANT PLANT		300512N 1165705E	CH	S085599
HSIANGKOU EXPLOSIVES + PROPELLANT PLANT		300512N 1165705E	CH	
HSIANGKOU AMMUNITION LOADING PLANT EAST CPLX		300218N 1165443E	CH	
HSIANGKOU AMMUNITION LOADING/METAL PARTS CPLX		300152N 1165122E	CH	
HSIANGKOU AMMUNITION LOADING/METAL PARTS CPLX		300152N 1165122E	CH	
YUANLING AIRCRAFT ENGINE TEST FACILITY PROB		282151N 1102430E	CH	S085612
SUNGLIN MTC		281420N 1020149E	CH	S085275
CHENG TU AIRFRAME PLANT 132		304227N 1035747E	CH	S085258
CHENG TU/CHIUNG LAI AIRFIELD		302921N 1032800E	CH	S085506
KUNMING SSM FIELD POSITION		245208N 1025347E	CH	S085423
KUNMING SSM FIELD POSITION		245208N 1025347E	CH	S085421
KUNMING SSM FIELD POSITION		245208N 1025347E	CH	S085402
TIENWEI MTC		255520N 1024928E	CH	S085275
TANCHOU MILITARY STGE FAC SSM LAUNCH SITE U/C		252600N 1092730E	CH	S085202
TANCHOU MILITARY STGE FAC SSM LAUNCH SITE U/C		252600N 1092730E	CH	
TANCHOU MILITARY STORAGE FAC MSL SVC TWR U/C		252600N 1092730E	CH	S085335
TANCHOU MILITARY STORAGE FAC MSL SVC TWR U/C		252600N 1092730E	CH	
LEIYANG RADIO COMMUNICATIONS XMTR STA WEST		263456N 1125103E	CH	S085248
SHAOYANG/LIANGSHIHTANG AIRFIELD		271332N 1114017E	CH	S085740
SHAOKUAN RADIO RELAY STATION WEST BUNKERED		244838N 1133114E	CH	S085246
KARACHI NAVAL BASE + DOCKYARD WEST WHARF		244950N 0665820E	PK	S085635
KARACHI NAVAL BASE + DOCKYARD WEST WHARF		244950N 0665820E	PK	

25X1

25X1

25X1

TOP SECRET CHESS RUFF

25X1

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
VARANGAON AMMUNITION PLT SMALL ARMS AMMO FAC		210232N 0755530E	IN	S085600
HOLGUIN AIRFIELD FLOGGER MIG-23 IDENT		204707N 0761854W	CU	S085625
CIENFUEGOS PETROLEUM STGE FAC POSS U/C		220825N 0802720W	CU	S085259
LOURDES MILITARY HQ TORRENS ELECTRONICS FACIL		225938N 0822755W	CU	
LOURDES MILITARY HQ TORRENS ELECTRONICS FACIL		225938N 0822755W	CU	
SAN ANTONIO DE LOS BANOS AIRFIELD FLOGGER		225217N 0823036W	CU	S085616
HAIKOU NAVAL BASE		200130N 1101630E	CH	S085097
NANNING RADIO COMMUNICATIONS RCVR STA NORTH		225241N 1081736E	CH	S085247
LEIPEI VLF/LF RADIO COMMO XMTR STATION BKR		212848N 1101528E	CH	S085249
CHIENSHUI SSM COMPLEX FIELD POSITION NEW U/C		235415N 1023610E	CH	S085348
BOMBAY NAVAL BASE + SHIP REPAIR YARD		185533N 0725015E	IN	S085636
BOMBAY NAVAL BASE + SHIP REPAIR YARD		185533N 0725015E	IN	
SRI HARIKOTA ISLAND RKT MTR TEST FAC LIQ TEST		134456N 0801412E	IN	S085598
ASEB AIRFIELD UPGRADING SOVIET		130412N 0423818E	FT	S085267
MITSIWA SHIP REPAIR YARD EL KADER DRYDOCK SOV		153709N 0392842E	FT	
BAHIA DE PORTETE NARCOTICS TRANSSHIPMENT AREA		121030N 0715530W	CO	S085621
BAHIA DE PORTETE NARCOTICS TRANSSHIPMENT AREA		121030N 0715530W	CO	
SAIGON NAVAL BASE + SHIPYARD		104658N 1064250E	VM	S085504
SAIGON NAVAL BASE + SHIPYARD		104658N 1064250E	VM	
TIRUCHIRAPPALLI SMALL ARMS PLANT IDENT		104326N 0784713E	IN	S085600
LIBREVILLE PORT FACILITIES		002400N 0092610E	GB	S085498
TALARA SA-3 SITE U/C IDENTIFICATION		043230S 0811145W	PE	S085605
VILA LUSO ARMY BARRACKS + HQ SA-7 SITE		114700S 0195200E	AO	S085254
VILA LUSO ARMY BARRACKS + HQ SA-7 SITE		114700S 0195200E	AO	
LUANDA ARMY BARRACKS + STORAGE AREA MIL EQUIP		085213S 0131815E	AO	S085332
LUANDA ARMY BARRACKS + STORAGE AREA MIL EQUIP		085213S 0131815E	AO	

25X1

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
LUANDA AIRFIELD SA-7 SITE		085111S 0131431F	AO	S085254
LUANDA AIRFIELD SA-7 SITE		085111S 0131431F	AO	
NACALA AIRFIELD SA-7 SITE		142848S 0404231F	M7	
NACALA AIRFIELD SA-7 SITE		142848S 0404231F	M7	
DIEGO SUAREZ PORT FACILITIES COMMERCIAL		121600S 0491717E	MA	S085494

25X1

25X1

127
TOP SECRET CHESS RUFF

25X1

PART VI

Listing of Reports by Accession Number

TOP SECRET CHESS RUFF

25X1

DIA NBRG NDA07-5221-78 16 NOV 78 SEC CLASS: 056 MSN: 0001P ACCN: S084944
ANIVA ARMY BARRACKS RAILROAD STATION NW 1 UR 464247N 1423140E

25X1

DIA NBRG NDA07-5222-78 16 NOV 78 SEC CLASS: 056 MSN: 0001P ACCN: S084945
USSURIYSK ARMY BARRACKS SSE AL1 UR 434409N 1320008E

25X1

DIA NBRG NDA07-5101-78 22 SEP 78 SEC CLASS: 056 MSN: 0035P ACCN: S085050
SHANGCHIU MILITARY AREA 1 CH 3427 N 11539 E
NPIC NO : -
COMIREX NO:

25X1

DIA NBRG NDA07-5102-78 22 SEP 78 SEC CLASS: 056 MSN: 0001P ACCN: S085051
SHANGCHIU MILITARY BKS AL5/HQ INF DIV/SCHOOL CH 342558N 1153740E

25X1

SHANGCHIU MILITARY BKS AL5/HQ INF DIV/SCHOOL CH 342558N 1153740E

25X1

DIA NBRG NDA07-5103-78 22 SEP 78 SEC CLASS: 056 MSN: 0001P ACCN: S085052
SHANGCHIU ARMY BARRACKS SW AL3 CH 342301N 1153450E

25X1

DIA NBRG NDA07-5104-78 22 SEP 78 SEC CLASS: 056 MSN: 0001P ACCN: S085053
SHANGCHIU ARMY BARRACKS AL2 CH 342557N 1153840E

25X1

DIA NBRG NDA07-5105-78 22 SEP 78 SEC CLASS: 056 MSN: 0001P ACCN: S085054
SHANGCHIU ARMY BARRACKS AL4/HQ INFANTRY DIV CH 342350N 1153718E

25X1

25X1

TOP SECRET CHESS RUFF

25X1

[REDACTED]

DIA NBRG NDA07-5106-78 22 SEP 78 SEC CLASS: 05G MSN: 0001P ACCN: S085055

MINGCHIANG MILITARY AREA 1

CH 3228 N 11403 E
NPIC NO : -
COMIREX NO:

25X1

25X1

DIA NBRG NDA07-5107-78 22 SEP 78 SEC CLASS: 05G MSN: 0001P ACCN: S085056

MINGCHIANG ARMY BARRACKS NW AL1 + HQ INF DIV

CH 322906N 1140050E

25X1

DIA NBRG NDA07-5093-78 22 SEP 78 SEC CLASS: 05G MSN: 0001P ACCN: S085057

HSUCHANG MILITARY AREA 1

CH 3401 N 11349 E

25X1

DIA NBRG NDA07-5094-78 22 SEP 78 SEC CLASS: 05G MSN: 0001P ACCN: S085058

HSUCHANG ARMY BARRACKS AL5 + HQ INFANTRY DIV

CH 340238N 1134923E

25X1

DIA NBRG NDA07-5095-78 22 SEP 78 SEC CLASS: 05G MSN: 0001P ACCN: S085059

HSUCHANG ARMY BARRACKS AL8

CH 340010N 1134420E

25X1

DIA NBRG NDA07-5096-78 22 SEP 78 SEC CLASS: 05G MSN: 0001P ACCN: S085060

HSUCHANG MILITARY AREA 2

CH 3401 N 11349 E
NPIC NO : -
COMIREX NO:

25X1

DIA NBRG NDA07-5097-78 22 SEP 78 SEC CLASS: 05G MSN: 0001P ACCN: S085061

CHANGKO ARMY BARRACKS AL3

CH 341400N 1134610E

25X1

130
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

DIA NBRG NDA07-5098-78 22 SEP 78

SEC CLASS: 056 MSN: 0001P

ACCN: S085062

HSIANGCHENG ARMY BARRACKS AL1

CH 335119N 1132804E
NPIC NO : -
COMIREX NO:

25X1

DIA NBRG NDA07-5099-78 22 SEP 78

SEC CLASS: 056 MSN: 0001P

ACCN: S085063

LOHO ARMY BARRACKS AL1

CH 333505N 1140135E

25X1

CIA IRP IS10210J-78 SEP 78

SEC CLASS: 24 MSN: 0013P

ACCN: S085071 25X1

MISSILES, SS-12 UNITS ORGANIZATION/EQUIP/DPL

UR

WAC NO :

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 40B

COMIREX NO:

ELEVEN SS-12 (SCALEBOARD) UNITS HAVE BEEN IDENTIFIED WITHIN THE SOVIET UNION SINCE THE SS-12 -- A MOBILE SHORT-RANGE BALLISTIC MISSILE -- WAS FIRST OBSERVED IN 1967. PHOTOGRAPHIC ANALYSIS OF THESE UNITS INDICATES THAT THERE ARE SEVEN FULL-STRENGTH BRIGADES WITH 12 TRANSPORTER-ERECTOR-LAUNCHERS (TELS) EACH AND FOUR REDUCED-STRENGTH BRIGADES, SOME WITH SIX AND SOME WITH NINE TELS EACH. THE BASIC ORGANIZATION OF THE FULL-STRENGTH BRIGADES IS THREE FIRING BATTALIONS WITH FOUR TELS EACH, A TECHNICAL SUPPORT BATTALION, AND OTHER SUPPORT UNITS OF COMPANY OR PLATOON SIZE. FULL-STRENGTH BRIGADES APPEAR TO HAVE BETWEEN 215 AND 265 PIECES OF EQUIPMENT EACH. THE FULL-STRENGTH BRIGADES ARE DEPLOYED IN THE WESTERN MILITARY DISTRICTS AND ALONG THE SINO-SOVIET BORDER. THE REDUCED-STRENGTH BRIGADES ARE DEPLOYED IN THE TRANSCAUCASUS MILITARY DISTRICT AND IN MILITARY DISTRICTS IN THE INTERIOR. EACH BRIGADE APPEARS TO BE SUBORDINATE TO A MILITARY DISTRICT. NO SCALEBOARD BRIGADES HAVE BEEN IDENTIFIED ON PHOTOGRAPHY IN FIVE OF THE MILITARY DISTRICTS WITHIN THE SOVIET UNION OR WITH THE GROUPS OF FORCES IN EASTERN EUROPE. SOME SCALEBOARD TELS OR RELATED EQUIPMENT HAVE BEEN PERIODICALLY OBSERVED AT OTHER LOCATIONS WITHIN THE SOVIET UNION. HOWEVER, IT DOES NOT APPEAR THAT THESE SIGHTINGS INDICATE ADDITIONAL SCALEBOARD BRIGADES.

25X1

25X1

TOP SECRET CHESS RUFF

25X1

25X1

NPIC SR SR065-78 SEP 78 SEC CLASS: 14B MSN: 0001P ACCN: S085025X1
 AIRCRAFT: HIP C MI-8 MODIFICATIONS UR
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 05D COMIREX NO: -
 BLAGOYEVO AIRFIELD HIP C MI-8 MODIFIED IDENT UR 465337N 0304151E

25X1

NPIC BIIR RCA09-0022-77 SEP 78 SEC CLASS: 25 MSN: 0031P ACCN: S085076 25X1
 KRASNOARMEYSK SOLID MOTOR DEVELOPMENT FACIL UR 560750N 0380954E

25X1

132
 TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

KAZAN MISSILE PROPULSION R+D FACILITY UR 555345N 0485007E

25X1

25X1

MISSILES, SOLID PROPELLANT R+D FACILITIES UR
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 40E COMIREX NO:
 KAZAN AIRCRAFT ENGINE PLANT 16 UR 555119N 0490620E

25X1

25X1

LENINGRAD SOLID MOTOR TEST FACILITY 3 UR 601533N 0304440E

25X1

25X1

LENINGRAD SOLID MOTOR TEST FACILITY 2 UR 601250N 0304218E

25X1

25X1

LENINGRAD SOLID MOTOR TEST FACILITY 1 UR 600401N 0303615E

25X1

25X1

PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV UR 595914N 0305935E

25X1

25X1

MOSKVA SOLID MOTOR PRODUCTION PLANT LYUBERTSY UR 553648N 0375240E

THIS REPORT DESCRIBES RECENT DEVELOPMENTS AT EIGHT SOVIET SOLID PROPELLANT ROCKET MOTOR RESEARCH AND DEVELOPMENT (R+D) FACILITIES. A SUMMARY OF THE IMPORTANT POINTS FOLLOWS. AT MOSKVA SOLID MOTOR PRODUCTION PLANT LYUBERTSY, PROTOTYPE PRODUCTION OF AT LEAST ONE NEW PROBABLE MISSILE MOTOR WAS BEGUN DURING 1977. SEVERAL NEW LARGE BUILDINGS HAVE BEEN IDENTIFIED UNDER CONSTRUCTION AT PETROKREPOST EXPLOSIVES AND SOLID MOTOR PLANT MOROZOV. AT LENINGRAD SOLID MOTOR TEST FACILITY 1, A NEW TWIN-ARM LAUNCHER FOR SA-3/SA-N-1 AND SA-N-3 MISSILES WAS CONSTRUCTED IN 1976. AT LENINGRAD SOLID MOTOR TEST FACILITY 2, AN UNIDENTIFIED CRUISE MISSILE (POSSIBLY A NEW NAVAL CRUISE MISSILE OR A MODIFIED VERSION OF THE SS-N-2) HAS BEEN OBSERVED. EVIDENCE OF TEST PROGRAMS INVOLVING MODIFIED VERSIONS OF BOTH THE SS-N-2 AND THE SA-3/SA-N-1 HAS BEEN OBSERVED AT LENINGRAD SOLID MOTOR TEST FACILITY 3. INDICATIONS OF BL-07 (POSSIBLY A MODIFIED VERSION OF THE SS-N-3B CRUISE MISSILE) TESTING HAVE BEEN SEEN AT LENINGRAD TEST FACILITIES 2 AND 3. AT KAZAN AIRCRAFT ENGINE PLANT 16, A MAJOR NEW PLANT EXPANSION PROGRAM MAY HAVE BEGUN. AT KAZAN MISSILE PROPULSION R+D FACILITY, A POSSIBLE LASER TEST RANGE HAS BEEN IDENTIFIED. AND AT KRASNOARMEYSK SOLID MOTOR DEVELOPMENT FACILITY, THREE TYPES OF NAVAL MISSILE SHIPPING CRATES HAVE BEEN IDENTIFIED SINCE JULY 1976.

THIS REPORT UPDATES A PREVIOUS NPIC REPORT ON EACH OF THE EIGHT SOVIET FACILITIES. THE CURRENT REPORTING PERIOD FOR EACH FACILITY IS DEPENDENT UPON THE DATE OF THE LATEST IMAGERY USED FOR THE RESPECTIVE, UPDATED REPORT AND THE DATE OF THE MOST RECENT, USABLE IMAGERY ACQUIRED THROUGH THE

Page Denied

Next 2 Page(s) In Document Denied

[REDACTED] TOP SECRET CHESS RUFF [REDACTED]

25X1

[REDACTED] 25X1

DIA	NBRG	NDA06-5137-77	26 SEP 78	SEC CLASS: 04	MSN:	0001P	ACCN: 5085097
		HAIKOU NAVAL BASE		CH	200130N 1101630E		

25X1

DIA	NBRG	NDA06-5138-77	26 SEP 78	SEC CLASS: 04	MSN:	0001P	ACCN: 5085098
		WUHU SHIPYARD		CH	312102N 1182105E		

[REDACTED]

25X1

25X1

137
TOP SECRET CHESS RUFF

25X1

Page Denied

TOP SECRET CHESS RUFF

25X1

25X1

AF PAR 649-78 17 AUG 78 [REDACTED] SEC CLASS: 13 MSN: 0003P ACCN: S085198 25X1

KAPUSTIN YAR MTC NAVAL TEST COMPLEX B SITE 1 UR 484012N 0461615E

25X1

KAPUSTIN YAR MTC INSTRUMENTATION SITE A6 UR 484130N 0461400E

25X1

KAPUSTIN YAR MTC SRBM CPLX A ASBLY/CHECKOUT UR 484116N 0461648E

25X1

THIS REPORT PROVIDES AN UPDATED PHOTO ANALYSIS AND CHRONOLOGY OF THE ASSEMBLY/CHECKOUT AREA OF KAPUSTIN YAR SRBM TEST COMPLEX A SITE 1, THE KAPUSTIN YAR INSTRUMENTATION SITE A-6, AND THE KAPUSTIN YAR NAVAL TEST COMPLEX B SITE 1.

THIS REPORT UPDATES PAR 76-608 AND PARAGRAPH 2D OF PAR 74-601.*

AF PAR 645-78 07 AUG 78 TCS-385108-78 SEC CLASS: 13 MSN: 0002P ACCN: S085199

TEREKTY ASM IMPACT AREA RADAR AREA A U/I OBJ UR 481515N 0483140E

25X1

THIS REPORT DESCRIBES THE MISSILE-LIKE OBJECT AT TEREKTY ASM IMPACT AREA - RADAR AREA A. THE OBJECT HAS BEEN IDENTIFIED AS A FINNED PROBABLE AIRCRAFT AUXILIARY FUEL TANK. THE OBJECT IS POSITIONED ABOVE THE GROUND ON A PLATFORM/SUPPORT AND COULD BE SERVING AS A FUEL STORAGE TANK FOR NEARBY ACTIVITY.*

AF PAR 655-78 17 AUG 78 [REDACTED] SEC CLASS: 13 MSN: 0003P ACCN: S085200 25X1

VINNITSA SRF ARMY HEADQUARTERS RDO XMTR BKR UR 493030N 0280010E

25X1

THIS REPORT PROVIDES AN ANALYSIS OF VINNITSA SRF ARMY HQ RAD XMTR/BKR. IT PROVIDES MENSURATIONS OF ALL THE ANTENNAS LOCATED AT THE FACILITY AS WELL AS A REPORT ON THE AZIMUTH OF THE LONG AXIS OF THE TYPE C COMSAT BUILDING AND THE NUMBER OF ANTENNAS ON THIS BUILDING.*

25X1

TOP SECRET CHESS RUFF

25X1

25X1

AF PAR 654-78 16 AUG 78 SEC CLASS: 13 MSN: 0006P

ACCN: S085202 25X1

TUNGTAO/TANCHOU RAIL LINE CONSTRUCTION STATUS CH 2622 N 10940 E
 NPIC NO : -
 COMIREX NO:
 TANCHOU/TUNGTAO RAIL LINE CONSTRUCTION STATUS CH 2522 N 10926 E
 NPIC NO : -
 COMIREX NO:
 TANCHOU MILITARY STGE FAC SSM LAUNCH SITE U/C CH 252600N 1092730E
 TANCHOU MILITARY STGE FAC SSM LAUNCH SITE U/C CH 252600N 1092730E

25X1

25X1

25X1

25X1

THIS REPORT PROVIDES AN ANALYSIS OF THE POSSIBLE SSM LAUNCH SITE BEING CONSTRUCTED AT THE TAN-CHOU PROBABLE STORAGE FACILITY.
 IN ADDITION, THE RESULTS OF A SEARCH OF A 5-KILOMETER RADIUS AREA SURROUNDING THE FACILITY FOR MISSILE RELATED ACTIVITY; A SEARCH ALONG AND DETERMINATION OF THE CONSTRUCTION STATUS OF A NEARBY RAIL LINE; AND A SEARCH OF THE ROAD FROM TAN-CHOU NORTH TO THE TUNG-TAO SSM LAUNCH SITE ICBM ARE ALSO PROVIDED.*

25X1

AF ENDR D6533-78 11 AUG 78 SEC CLASS: 13 MSN: 0001P

ACCN: S085202 25X1

ALEYSK ICBM RTP SS-18 PROPELLANT TRF/STGE FAC UR 522828N 0824138E

25X1

140
 TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 78-657 AND 76-523.*

AF ENDR D6522-6-71 02 AUG 78 SEC CLASS: 13 MSN: 0001P
MOSKVA AIRCRAFT ENG EXPMT PLT LUZNetskaya 300 UR 554254N 0373415E

ACCN: 5085205 25X1

25X1

THIS DRAWING SUPPLEMENTS PARS 77-720 AND 78-648 AND SUPERSEDES DRAWING 67C6553.*

AF ENDR D6518-1-76 14 JUL 78 SEC CLASS: 13 MSN: 0001P
IVANKOVO ELECTRONICS R+D FACILITY PROB UR 564350N 0370600E

ACCN: 5085206 25X1

25X1

THIS DRAWING SUPPLEMENTS PARS 76-667 AND 78-633.*

25X1

AF ENDR C3501-6-70 27 JUL 78 SEC CLASS: 13 MSN: 0001P

ACCN: 5085210 25X1

141
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

MOSKVA GUIDED MISSILE R+D/PROD PLT TEST STAND UR 555444N 0372701E

25X1

THIS DRAWING SUPPLEMENTS PARS 77-602 AND 78-640 AND SUPERSEDES DRAWING 67B4503.*

25X1

142
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

25X1

AF ENDR C4506-1-77 JUL 78 SEC CLASS: 13 MSN: 0001P

ACCN: S085216 25X1

KRASNOARMEYSK LASER DEV/TEST AREA MHD CMPNTS UR 560723N 0381254E

25X1

THIS DRAWING SUPPLEMENTS PAR 78-630.*

25X1

AF ENDR C6527-1-77 25 JUL 78 SEC CLASS: 13 MSN: 0001P

ACCN: S085219 25X1

LYUBERTSY HELICOPTER EXPERIMENTAL PLANT KAMOV UR 554154N 0375242E

25X1

THIS DRAWING SUPPLEMENTS PARS 77-656 AND 78-644 AND SUPERSEDES DRAWING 70C6587/4.*

AF ENDR D6530-7-71 26 JUL 78 SEC CLASS: 13 MSN: 0001P

ACCN: S085220 25X1

ZAPOROZHYE AIRCRAFT ENGINE PLANT 478 UR 474928N 0351147E

25X1

THIS DRAWING SUPPLEMENTS PARS 76-580, 70-700, 71-598, 69-672, 77-709, AND 78-642 AND SUPERSEDES DRAWING

TOP SECRET CHESS RUFF

25X1

67C6575.*

AF ENDR C4519-78 19 JUL 78 [REDACTED] SEC CLASS: 13 MSN: 0001P ACCN: S085221 25X1

MISSILES, MISSILE LOAD SIMULATORS

UR

WAC NO :

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 40I

COMIREX NO:

AF ENDR C4532-3-69 26 JUL 78 [REDACTED] SEC CLASS: 13 MSN: 0001P ACCN: S085222 25X1

ZAPOROZHYE AIRCRAFT ENGINE PLT 478 TEST CELL UR 474928N 0351147E

25X1

THIS DRAWING SUPPLEMENTS PARS 69-672, 76-580, 77-709, AND 78-642.*

AF ENDR C6506-2-76 26 JUL 78 [REDACTED] SEC CLASS: 13 MSN: 0001P ACCN: S085223 25X1

MOSKVA MILITARY DESIGN BUREAU + EXPMT FACIL UR 554000N 0375600E

25X1

THIS DRAWING SUPPLEMENTS PARS 77-613 AND 78-641 AND SUPERSEDES DRAWING C6544/70.*

25X1

AF PAR 648-78 03 AUG 78 [REDACTED] SEC CLASS: 13 MSN: 0002P ACCN: S085225 25X1

MOSKVA AIRCRAFT ENG EXPMT PLT LUZNETSKAYA 300 UR 554254N 0373415E

25X1

THIS REPORT AND DRAWING 71D6522/6 PROVIDE AN UPDATED ANALYSIS OF THE MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT LUZNETSKAYA 300. THIS REPORT SUPPLEMENTS PAR 77-720.*

25X1

144
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

AF ENDR C4518-78 14 JUL 78 SEC CLASS: 13 MSN: 0001P
IVANKOVO ELECTRONICS R+D FAC WIND TUNNEL SUSP UR 564350N 0370600E

ACCN: 5085227 25X1

THIS DRAWING SUPPLEMENTS PARS 76-667 AND 78-633.*

AF ENDR C6589-6-70 31 JUL 78 SEC CLASS: 13 MSN: 0001P
MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156 UR 554542N 0374034E

ACCN: 5085228 25X1

THIS DRAWING SUPPLEMENTS PARS 76-616 AND 78-646.*

ARMY PIM PIM064-78 SEP 78 SEC CLASS: 14E MSN: 0004P
NANNING RADIO COMMUNICATIONS RCVR STA NORTH CH 225241N 1081736E

ACCN: 5085247 25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE NAN-NING RADCOM RCVR STA NORTH, PRC. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE RADCOM STATION. THE PHOTO DISPLAYS THE STATION ANTENNAS, ALONG WITH THEIR ORIENTATIONS.

ARMY PIM PIM060-78 31 AUG 78 SEC CLASS: 14E MSN: 0004P
LEIYANG RADIO COMMUNICATIONS XMTR STA WEST CH 263456N 1125103E

ACCN: 5085248 25X1

145
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

COMIREX NO:

25X1

THIS PHOTO INTERPRETATION MEMORANDUM CONTAINS A DESCRIPTION OF THE LEI-YANG RADCOM XMTR STA W PRC. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE RADCOM STATION. THE PHOTO DISPLAYS THE STATION ANTENNAS, ALONG WITH THEIR ORIENTATIONS.

ARMY PIM PIM061-78 31 AUG 78 SEC CLASS: 14E MSN: 0004P

ACCN: S08524925X1

LEIPEI VLF/LF RADIO COMMO XMTR STATION BKR CH 212848N 1101528E

25X1

THIS PHOTO INTERPRETATION MEMORANDUM (PIM) CONTAINS A DESCRIPTION OF THE LEI-PEI VLF/LF RADCOM XMTR STA/BNK, PEOPLE'S REPUBLIC OF CHINA. INCLUDED IN THIS REPORT IS AN ANNOTATED PHOTOGRAPH OF THE RADCOM STATION. THE PHOTO DISPLAYS THE STATION ANTENNAS, ALONG WITH THEIR MEASUREMENTS AND ORIENTATIONS.

ARMY PIM PIM070-78 04 OCT 78 SEC CLASS: 14E MSN: 0003P

ACCN: S08525025X1

CHANGHWA DONG SIGINT FACILITY

KN 380450N 1264325E
NPIC NO : -
COMIREX NO:

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DIA IAPPR 216-78 15 SEP 78 SEC CLASS: 14 MSN: 0007P ACCN: S085255

25X1

MISSILES, FROG-7 EQUIPMENT CONFIRMED KN
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 40B COMIREX NO:

EQUIPMENT ASSOCIATED WITH THE SOVIET FREE-ROCKET OVER-GROUND-7 (FROG-7) SURFACE-TO-SURFACE SYSTEM HAS BEEN CONFIRMED IN NORTH KOREA. SINCE LESS-DEFINITIVE PHOTOGRAPHS HAVE SHOWN THE POSSIBLE PRESENCE OF THIS WEAPON SINCE THE EARLY 1970S, THE CONFIRMATION DOES NOT INDICATE RECENT INTRODUCTION. THE FROG-7 SYSTEM PROVIDES GREATER RANGE AND ACCURACY AND REDUCED MAINTENANCE OVER NORTH KOREA'S FROG-3 AND 5 SYSTEMS. IT ONLY marginally INCREASES OVERALL MILITARY CAPABILITIES, HOWEVER. WHILE THE FROG-7 HAS NUCLEAR, CHEMICAL, AND HIGH-EXPLOSIVE CAPABILITIES, NORTH KOREA PROBABLY HAD ONLY THE HIGH-EXPLOSIVE WARHEAD. THE NORTH KOREANS ARE NOT KNOWN TO BE CAPABLE OF MANUFACTURING EITHER FROG ROCKETS OR WARHEADS. THEY ARE DEPENDENT ON SOVIET OR THIRD-COUNTRY SOURCES AND RESUPPLY IS LIKELY TO BE LIMITED.

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DIA STDY D082680-22A-78 SEP 78 SEC CLASS: 25 X MSN: 0041P ACCN: S085257

25X1

149
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TOP SECRET CHESS RUFF

25X1

SPACE, DEVELOPMENTS

WAC NO :
IDHS CODE:BE/OBJ NO:
EPF CAT : 40H

CH

NPIC NO : -
COMIREX NO:

SHIPS, DEVELOPMENTS

WAC NO :
IDHS CODE:BE/OBJ NO:
EPF CAT : 75D

CH

NPIC NO : -
COMIREX NO:

MILITARY, DEVELOPMENTS

WAC NO :
IDHS CODE:BE/OBJ NO:
EPF CAT : 35

CH

NPIC NO : -
COMIREX NO:

AIRCRAFT, DEVELOPMENTS

WAC NO :
IDHS CODE:BE/OBJ NO:
EPF CAT : 05D

CH

NPIC NO : -
COMIREX NO:

MISSILES, DEVELOPMENTS

WAC NO :
IDHS CODE:BE/OBJ NO:
EPF CAT : 40

CH

NPIC NO : -
COMIREX NO:

DIA IAPPR 226-78 30 SEP 78

SEC CLASS: 25 Y MSN:

0013P

ACCN: 5085258 25X1

CHENG TU AIRFRAME PLANT 132

CH 304227N 1035747E

25X1

SHENYANG AIRCRAFT ENGINE PLANT 410

CH 414740N 1232950E

25X1

SHENYANG AIRFRAME PLANT 112

CH 415208N 1232600E

25X1

AIRCRAFT, PRODUCTION PLANTS

WAC NO :
IDHS CODE:BE/OBJ NO:
EPF CAT : 05G

CH

NPIC NO : -
COMIREX NO:

RECENT VISITS TO THE SHENYANG AIRFRAME AND AIRCRAFT ENGINE PLANTS BY WESTERN REPRESENTATIVES HAVE PROVIDED INSIGHT INTO THE OPERATION AND STATE-OF-THE-ART OF CHINA'S AIRCRAFT INDUSTRY. THE VISITS TOOK PLACE IN LATE APRIL AND JULY 1978 AND WERE MADE BY A BRITISH MILITARY DELEGATION AND BY SENIOR US AIRCRAFT MANUFACTURING EXECUTIVES. GENERAL ACTIVITY AT THE PLANTS INCLUDED PRODUCTION OF THE MIG-19 FARMER FIGHTER AND TANDEM-SEAT VARIANT, MODIFICATION OF THE MIG-17/FRESCO FIGHTER, AND UNIDENTIFIED JET ENGINE PRODUCTION. THE OBSERVER'S CONCLUSION CONFIRMED PREVIOUS ESTIMATES THAT CHINESE AIRCRAFT MANUFACTURING TECHNOLOGY REMAINS 25 TO 30 YEARS BEHIND THAT OF THE US. THEY NOTED A LACK OF QUALITY AND PRODUCTION CONTROL, AN ABSENCE OF COMPUTER-CONTROLLED MACHINERY, POOR USE OF AVAILABLE MACHINE TOOLS, AND EXTENSIVE MANUAL PROCESSES.

DIA IAPPR 221-78 26 SEP 78

SEC CLASS: 25 MSN:

0011P

ACCN: 5085259 25X1

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ZDAI

AIRCRAFT, BEAR D TU-95 DEPLOYMENT

WAC NO :	BE/OBJ NO:	CU	NPIC NO : -
IDHS CODE:	EPF CAT : 05A		COMIREX NO:
CIENTUEGOS PETROLEUM STGE FAC POSS U/C		CU	220825N 0802720W

25X1

NAVAL, DEPLOYMENT SOVIET

WAC NO :	BE/OBJ NO:	CU	NPIC NO : -
IDHS CODE:	EPF CAT : 75		COMIREX NO:
MILITARY, GROUND FORCE ACTIVITY SOVIET		CU	
WAC NO :	BE/OBJ NO:		NPIC NO : -
IDHS CODE:	EPF CAT : 35		COMIREX NO:
LOURDES MILITARY HQ TORRENS ELECTRONICS FACIL		CU	225938N 0822755W

25X1

LOURDES MILITARY HQ TORRENS ELECTRONICS FACIL	CU	225938N 0822755W
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THE SOVIET'S OPERATION OF THE TORRENS ELECTRONICS FACILITY, ARMS DELIVERIES TO HAVANA, AND NAVAL DEPLOYMENTS TO CUBA DEMONSTRATE THE USSR'S INTEREST IN CUBA AS WELL AS IN THE WESTERN HEMISPHERE. SINCE THE LATER HALF OF 1977, THERE HAVE BEEN ALLEGED SOVIET GROUND FORCES IN THE COUNTRY, UNIDENTIFIED CONSTRUCTION NEAR CIENTUEGOS, AND AN INCREASE IN THE NUMBER OF SOVIET PILOTS IN CUBA. WHILE THESE ACTIVITIES MAY CAUSE CONCERN OVER THE SOVIET MILITARY PRESENCE IN CUBA, THEY DO NOT SEEM AT THE PRESENT TIME TO CONSTITUTE A DIRECT CHALLENGE TO US INTERESTS.

AF REPT 8-78 01 AUG 78

SEC CLASS: 05J MSN:

0036P

ACCN: S085260

MILITARY, DMZ TUNNEL STUDY

WAC NO :	BE/OBJ NO:	KN	NPIC NO : -
IDHS CODE:	EPF CAT : 35		COMIREX NO:

THIS STUDY IS AN UPDATE OF THE 548TH RTG DMZ TUNNEL STUDY DATED 1 NOVEMBER 1977 WHICH COVERED THE STATUS AND HISTORY OF 22 SUSPECT DMZ TUNNEL SITES FROM THE EARLY 1970'S THROUGH THIS UPDATE IS BASED ON A REVIEW OF IMAGERY THROUGH AND COVERS 13 OF THE ORIGINAL 22 SITES. THESE 13 SITES INCLUDE 10 WHICH ARE CURRENTLY BEING CARRIED BY THE UNITED STATES FORCES KOREA TUNNEL NEUTRALIZATION TEAM (USFK/INT) AS ACTIVE AND 3 SITES WHICH HAVE PREVIOUSLY BEEN CARRIED AS HIGHLY SUSPECT.

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151
TOP SECRET CHESS RUFF

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DIA 1APPR 207-78 31 AUG 78 [] SEC CLASS: 14 X MSN: 0005P ACCN: S085267 25X1

MITSWA SHIP REPAIR YARD EL KADER DRYDOCK SOV ET 153709N 0392842E

25X1

ASEB AIRFIELD UPGRADING SOVIET ET 130412N 0423818E

25X1

ASEB PORT FACILITIES UPGRADING SOVIET ET 1304 N 04238 E

25X1

MILITARY, SOVIET ACCESS

WAC NO :

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 35

COMIREX NO:

THE USSR REPORTEDLY HAS BEEN GIVEN THE RIGHT TO USE ETHIOPIA'S RED SEA FACILITIES AND TO BUILD ITS OWN NAVAL BASE IN THAT COUNTRY AS THE RESULT OF AN AGREEMENT SIGNED LAST MARCH. NO CONSTRUCTION HAS BEEN OBSERVED AT THE PROPOSED BASE SITE, BUT THE SOVIETS ARE UPGRADING A NEARBY AIRFIELD. THEY HAVE ALSO EMPLACED A SHIP REPAIR FACILITY NEAR THE PORT OF MASSAWA AND HAVE IMPROVED ASSAB'S PORT CAPABILITY AND DEFENSES.

IF THE AGREEMENT IS FULLY IMPLEMENTED, THE SOVIETS WILL MORE THAN RECOVER THE MILITARY ACCESS THEY LOST AT BERBERA, SOMALIA, IN NOVEMBER 1977. THE VICISSITUDES OF FUTURE SOVIET-ETHIOPIAN RELATIONS, HOWEVER, WILL PROBABLY PREVENT THE ACCORD FROM BEING COMPLETELY CARRIED OUT, AND SOVIET ACCESS COULD BE LIMITED TO ONLY OCCASIONAL USE AS A RESULT.

DIA STDY DDB1200-133-78 SEP 78 [] SEC CLASS: 25 MSN: 0046P ACCN: S085268 25X1

MISSILES, CRUISE MISSILE NETWORK DEVELOPMENTS

CH

WAC NO :

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 40K

COMIREX NO:

25X1

153

TOP SECRET CHESS RUFF

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TOP SECRET CHESSE RUFF

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25X1

THIS REPORT SHOWS THE DEVELOPMENT, DEPLOYMENT, AND INTERRELATIONSHIPS OF THE PRC CRUISE MISSILE NETWORK: LAND-BASED SITES AND SEA-BASED PLATFORMS. INCLUDED ARE SECTIONS ON COMMAND AND CONTROL AND TACTICS.

IN THE 1960S THE PEOPLE'S REPUBLIC OF CHINA NAVY (PRCN) WAS GIVEN THE RESPONSIBILITY TO DEVELOP A CRUISE MISSILE NETWORK FOR DEFENSE OF THE COASTLINE. CONSEQUENTLY, THE PRCN CONSTRUCTED LAND-BASED SITES AND SEA-BASED PLATFORMS SUITABLE FOR THE CRUISE MISSILES IT HAD UNDER DEVELOPMENT. SIGNIFICANT RESULTS OCCURRED IN 1972 AND 1973 WHEN SUBSTANTIAL NUMBERS OF THE SITES AND PLATFORMS BECAME AVAILABLE FOR DEPLOYMENT OF THE CRUISE MISSILES. AT PRESENT, THE PRCN HAS 20 OPERATIONAL CRUISE MISSILE-EQUIPPED PRINCIPAL SURFACE COMBATANTS, ABOUT 230 MISSILE ATTACK BOATS, AND 13 OPERATIONAL CRUISE MISSILE COASTAL DEFENSE SITES. WHILE PAST EMPHASIS WAS DIRECTED TOWARD THE CONSTRUCTION OF MISSILE ATTACK BOATS AND CRUISE MISSILE COASTAL DEFENSE SITES, CONSTRUCTION OF PRINCIPAL SURFACE COMBATANTS WILL PROBABLY BE EMPHASIZED IN THE FUTURE. IT IS EXPECTED THAT THE PRCN'S DEFENSIVE CRUISE MISSILE NETWORK WILL CONTINUE TO GROW, BUT AT A MUCH SLOWER RATE. THE NETWORK HAS BEEN SO WELL DEVELOPED THAT EVERY ASPECT (FACILITIES, LOGISTICS, SURVEILLANCE, AND TACTICS) COMPLEMENTS THE OTHER TO PROVIDE A FORMIDABLE DEFENSIVE FORCE.

DIA	STDY	DDB2680-238-78	AUG 78		SEC CLASS: 25	MSN:	0044P	ACCN: 5085269	25X1
MILITARY, DEVELOPMENTS				UR					
	WAC NO :	BE/OBJ NO:	NPIC NO :	-					
	IUHS CODE:	EPF CAT : 35	COMIREX NO:						
ELECTRONICS, DEVELOPMENTS				UR					
	WAC NO :	BE/OBJ NO:	NPIC NO :	-					
	IUHS CODE:	EPF CAT : 25	COMIREX NO:						
AIRCRAFT, DEVELOPMENTS				UR					
	WAC NO :	BE/OBJ NO:	NPIC NO :	-					
	IUHS CODE:	EPF CAT : 05D	COMIREX NO:						
NAVAL, DEVELOPMENTS				UR					
	WAC NO :	BE/OBJ NO:	NPIC NO :	-					
	IUHS CODE:	EPF CAT : 75	COMIREX NO:						
MISSILES, DEVELOPMENTS				UR					
	WAC NO :	BE/OBJ NO:	NPIC NO :	-					
	IUHS CODE:	EPF CAT : 40	COMIREX NO:						

DIA	STDY	DST1070B-002-78	SEP 78		SEC CLASS: 14	MSN:	0021P	ACCN: 5085270	25X1
KRASNOARMEYSK LASER DEV + TEST AREA WPNS ACT				UR	560723N	0381254E			
KRASNOARMEYSK LASER DEV + TEST AREA WPNS ACT				UR	560723N	0381254E			
SARY SHAGAN MIC AREA 1 LASER WEAPONS ACTIVITY				UR	460147N	0724009E			

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TOP SECRET CHESS RUFF

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ZSAI

SARY SHAGAN MTC AREA 1 LASER WEAPONS ACTIVITY UR 460147N 0724009E

25X1

25X1

MILITARY, LASER WEAPONS ACTIVITY UR
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 356 COMIREX NO:

THIS REPORT SUPPLEMENTS AND UPDATES A PREVIOUS WORK: AN ASSESSMENT OF A POSTULATED CONFIGURATION FOR A SOVIET AIR DEFENSE LASER WEAPON (U), DST-1070B-002-77-SAO.

IT PRESENTS THE RESULTS OF A CONTINUING ANALYSIS OF THE ACTIVITIES AT BOTH THE KRASNOARMEYSK LASER WEAPON AND TEST CENTER AND AREA 1, SARY SHAGAN MISSILE TEST RANGE, AND DISCUSSES THE SIGNIFICANCE OF THESE RESULTS.

AN ANALYSIS OF RECENT TEST ACTIVITY AT THE KRASNOARMEYSK LASER WEAPON DEVELOPMENT AND TEST CENTER AND OF CONSTRUCTION AT BOTH THIS FACILITY AND AREA 1, SARY SHAGAN MISSILE TEST RANGE (SSMTR) SINCE APRIL/MAY 1977 STRONGLY SUGGEST THE FOLLOWING: AT LEAST TWO PHASES OF TESTS AT FACILITY 1, KRASNOARMEYSK, INVOLVING TARGETS AND INSTRUMENTS IN THE NEW TARGET AREA LOCATED ABOUT 1 KM FROM THE ROLL-OFF BUILDING HAVE BEEN COMPLETED AND A THIRD PHASE MAY BE UNDERWAY; AT LEAST ONE PHASE OF MAGNETOHYDRODYNAMIC (MHD) GENERATOR TESTS HAS BEEN COMPLETED AND ANOTHER IS UNDERWAY; THESE TESTS INCLUDE THE POWERING OF THE HIGH ENERGY LASER (HEL) DEVICE WITHIN THE COFFIN MOD 1 BY THE MHD GENERATOR NEARBY; THE RESULTING LASER RADIATION WAS DIRECTED ONTO TARGETS AND INSTRUMENTS IN THE NEW TARGET AREA; THE NEW CONSTRUCTION AT AREA 1, SSMTR, IS IN PREPARATION FOR FUTURE LASER WEAPON SYSTEM TESTS, AND; THE DEVELOPMENT PROGRAM OUTLINED IN THE PREVIOUS REPORT IS STILL VALID.

THERE IS ALSO EVIDENCE THAT POINTER/TRACKER TESTS (PROBABLY USING A LOW ENERGY LASER) MAY HAVE BEEN CONDUCTED AT KRASNOARMEYSK AND THAT THE SOVIETS ARE PLANNING FULL SCALE AND INSTRUMENTED HEL TESTS USING HIGH SPEED TARGETS ON THE SLED TRACK.

DIA STDY DST2610R-358-78 15 SEP 78 SEC CLASS: 25 MSN: 0036P

ACCN: S085271 25X1

ELECTRONICS, COMMAND CONTROL SYSTEM AIR DEF KN
 WAC NO : BE/OBJ NO: NPIC NO : -
 IDHS CODE: EPF CAT : 25H COMIREX NO:

THE AIR DEFENSE SYSTEM OF NORTH KOREA IS PREDOMINANTLY EQUIPPED WITH SOVIET WEAPONS/EQUIPMENT AND GENERALLY EMPLOYS THE PVO STRANY AS A MODEL FOR ORGANIZATION, COMMAND AND CONTROL, AND TACTICS.

THE NORTH KOREAN AIR FORCE (NKAF), WHICH HAS ITS HEADQUARTERS IN THE PYONGYANG AREA, IS RESPONSIBLE FOR THE AIR DEFENSE OF THE COUNTRY. THE NKAF AIR DEFENSE COMMAND CENTER (ADCC), ALSO LOCATED NEAR PYONGYANG, EXERCISES OPERATIONAL CONTROL OF THE VARIOUS AIR DEFENSE FORCES THROUGH ITS SUBORDINATE AIR DEFENSE ZONE (ADZ) HEADQUARTERS. THE ADCC IS PROBABLY COMPOSED OF A NATIONAL AIR DEFENSE WEAPONS OPERATIONS CENTER (ADWOC), AND A NATIONAL FILTER CENTER (NFC). WITHIN THE ADWOC, THERE IS A SENIOR AIRCRAFT CONTROL CENTER (SACC) AND A NATIONAL MISSILE CONTROL CENTER (NMCC). THE SACC ACTIVELY ENGAGES IN CONTROL OF ALL AIR ACTIVITY THROUGHOUT NORTH KOREA AND THE NMCC PROVIDES THE SAM/AAA CONTROL FUNCTION. THE NFC COMPILES AND FILTERS DATA RECEIVED FROM ALL AIR SURVEILLANCE RESOURCES IN ORDER TO MAINTAIN A PICTURE OF THE AIR

TOP SECRET CHESSE RUFF

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SITUATION. IN PEACETIME, WEAPONS RELEASE AUTHORITY PROBABLY IS RETAINED AT THE NATIONAL LEVEL. THE ABOVE ORGANIZATIONAL DESIGNATORS HAVE BEEN ARBITRARILY ASSIGNED, BASED UPON THEIR OBSERVED FUNCTION.

HIGH-FREQUENCY (HF) MANUAL MORSE IS THE PRIMARY MEANS USED BY NORTH KOREA TO TRANSMIT AIR SURVEILLANCE TRACKING DATA. THE VP-1 SEMIAUTOMATIC COMMAND AND CONTROL SYSTEM HAS ALSO BEEN DEPLOYED BY NORTH KOREA, AND PROVIDES THE 20 PERCENT OF THE RADAR SITES SO EQUIPPED WITH A MUCH FASTER AND MORE ACCURATE METHOD OF PASSING INFORMATION.

AIR/GROUND COMMUNICATIONS BETWEEN THE SACC, FIGHTER DIVISION CONTROLLERS, AND INTERCEPTOR AIRCRAFT ARE VIA VHF VOICE. ABOUT 15 PERCENT (20 OF ABOUT 120) OF THE NORTH KOREAN MIG-21 AIRCRAFT ARE THE J EXPORT MODEL. THESE AIRCRAFT ARE EQUIPPED WITH THE MARKHAM GROUND-TO-AIR DATA LINK SYSTEM, WHICH PROVIDES THE GCI SITE THE CAPABILITY TO TRANSMIT ENCODED VECTORING INSTRUCTIONS TO INTERCEPTOR AIRCRAFT.

THE NORTH KOREAN SAM FACILITIES USE HF MANUAL MORSE, HF VOICE, VHF VOICE, AND UHF MULTICHANNEL COMMUNICATIONS. THE NORTH KOREAN SAM FORCES EXTENSIVELY USE LANDLINE, WHICH IS THEIR MOST BASIC AND SECURE MEANS, FOR OPERATIONAL AND ADMINISTRATIVE COMMUNICATIONS.

DIA STDY DSTI400S-237-78 11 SEP 78

SEC CLASS: 25 MSN:

0122P

ACCN: S085272 25X1

SPACE, SYSTEMS DEVELOPMENTS

WAC NO :

IDHS CODE:

BE/OBJ NO:

EPF CAT : 40H

CH

NPIC NO : -

COMIREX NO:

THIS STUDY PRESENTS AN ALL-SOURCE ANALYSIS OF THE PEOPLE'S REPUBLIC OF CHINA (PRC) SPACE PROGRAM. THIS PROGRAM IS TRACED FROM ITS CONCEPTION IN THE LATE 1950'S TO DETERMINE SYSTEMS DEVELOPMENT TRENDS. SYSTEMS NOW IN DEVELOPMENT AND TEST, PLUS OTHERS IN WHICH THE PRC HAS SHOWN AN INTEREST, ARE IDENTIFIED. FUTURE SYSTEMS ARE PROJECTED OVER A 10-YEAR PERIOD BASED ON FORESEEABLE PRC TECHNOLOGICAL AND INDUSTRIAL CAPABILITY.

THE PRC SPACE PROGRAM ORIGINATED WITH A SMALL RESEARCH EFFORT AT THE CHINESE ACADEMY OF SCIENCES IN THE LATE 1950'S. SINCE THEN, THE CHINESE HAVE DEVELOPED A SIGNIFICANT CAPABILITY TO DESIGN, FABRICATE, LAUNCH AND SUPPORT RELATIVELY COMPLEX SPACE SYSTEMS. SINCE 1973, THE SPACE PROGRAM HAS BEEN USED TO SUPPORT CHINESE MILITARY OBJECTIVES. THE LIMITED RESOURCES AVAILABLE TO THE SPACE PROGRAM SLOWED ITS GROWTH AND INTERNAL POLITICAL UPHEAVALS, SUCH AS THE GREAT LEAP FORWARD AND THE CULTURAL REVOLUTION, RETARDED ITS DEVELOPMENT FURTHER; HOWEVER, THE PROGRAM SURVIVED AND IS NOW PROGRESSING RAPIDLY.

THE THREE-STAGE CSL-1 LAUNCH VEHICLE PLACED THE FIRST CHINESE SATELLITES, PRC-001 AND PRC-002, IN ORBIT IN 1970 AND 1971, RESPECTIVELY. THE CSL-1 HAS NOT BEEN USED SINCE IT LAUNCHED PRC-002 IN 1971 AND PROBABLY WILL NOT BE USED AGAIN.

ALL CHINESE SATELLITES SINCE 1971 HAVE BEEN LAUNCHED BY THE TWO-STAGE CSL-2 LAUNCH VEHICLE WHICH IS ASSESSED TO BE CAPABLE OF PLACING ABOUT 3,500 KG OF PAYLOAD INTO NEAR-EARTH ORBITS.

THE FIRST TWO PRC SATELLITES WERE PRIMARILY ENGINEERING TEST SATELLITES USED TO EVALUATE THE LAUNCHING AND TRACKING CAPABILITIES. THEY ALSO PROBABLY MADE RUDIMENTARY ENVIRONMENTAL MEASUREMENTS AND PROPAGANDIZED CHINESE TECHNICAL ABILITIES. THE SATELLITES LAUNCHED BY THE CSL-2 HAVE BEEN USED TO DEVELOP AND TEST MILITARY RECONNAISSANCE SYSTEMS.

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TOP SECRET CHESS RUFF

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ALL THE CHINESE SATLLITES HAVE BEEN LAUNCHED FROM SHUANG-CH'ENG-TZU MISSILE TEST CENTER, WHICH IS THE ONLY OPERATIONAL SPACE LAUNCH FACILITY IN THE PRC. TWO DIFFERENT SITES AT SCTMTC HAVE BEEN USED TO LAUNCH SATELLITES. THE CSL-1 WAS LAUNCHED FROM SITE B-1, AND THE CSL-2 HAS BEEN LAUNCHED FROM SITE B-2.

THE FIXED SERVICE TOWER AT SITE B-1 WAS MODIFIED IN 1977 SO THAT SCTMTC NOW HAS TWO SITES FOR LAUNCHING THE CSL-2.

A NEW LAUNCH COMPLEX IS UNDER CONSTRUCTION AT WU-CHAI MISSILE TEST CENTER, WHICH HAS A LAUNCH PAD STRUCTURE VERY SIMILAR TO THOSE AT SCTMTC. HOWEVER, THE LAUNCH SERVICE TOWER AT THE WU-CHAI SITE IS 65 M HIGH (COMPARED TO 45 M FOR THE TOWER AT SCTMTC). THIS INDICATES THAT A SIGNIFICANTLY TALLER VEHICLE THAN THE CSL-2 WILL BE LAUNCHED FROM THE WU-CHAI SITE.

ANOTHER NEW LAUNCH SITE UNDER CONSTRUCTION AT SUNG-LIN (28 DEGREES N/102 DEGREES E) IS SIMILAR TO WU-CHAI SITE D BUT AT AN EARLIER STAGE OF CONSTRUCTION. THIS SITE, LOCATED FARTHER SOUTH, PERMITS SIGNIFICANTLY HIGHER PAYLOAD WEIGHT TO GEOSTATIONARY ORBITS THAN COULD BE ATTAINED BY THE SAME BOOSTER WHEN LAUNCHED FROM EITHER SCTMTC OR WU-CHAI. WHEN COMPLETED, IT WILL BE AVAILABLE TO LAUNCH GEOSYNCHRONOUS COMMUNICATIONS SATELLITES.

DIA STDY DST14505-264-78 05 SEP 78 SEC CLASS: 25 MSN: 0224P

ACCN: S085273^{25X1}

ELECTRONICS, SPACE SYSTEMS CONTROL

UR

WAC NO :

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 25C

COMIREX NO:

THE PURPOSE OF THIS STUDY IS TO DESCRIBE THE CHARACTERISTICS AND CAPABILITIES OF SOVIET SPACE SYSTEMS MISSION CONTROL. KEY FACILITIES AND EQUIPMENT AND THEIR OPERATING INTERRELATIONSHIPS ARE DISCUSSED FOR EACH OF THE VARIOUS SPACE SYSTEMS.

DIA STDY DST11720R-165-78 15 SEP 78 SEC CLASS: 25 MSN: 0031P

ACCN: S085274^{25X1}

SHENYANG/TUNGHUA TELECOMMUNICATIONS LINE U/G CH 414340N 1255230E

25X1

THIS REPORT PRESENTS THE RESULTS OF A PRELIMINARY ANALYSIS OF A PRC MILITARY-RELATED TELECOMMUNICATIONS CABLE LINE BETWEEN SHEN-YANG AND T'UNG-HUA. THE STUDY INCLUDES A DESCRIPTION OF SEVERAL NEWLY-IDENTIFIED COMMUNICATIONS FACILITIES ASSOCIATED WITH THE LINE, THE JUNCTIONS WITH OTHER LINES, THE REPEATER STATIONS ON THE LINE, POSSIBLE MISSILE AND SPACE FACILITIES USING THE LINE, AND THE POSSIBLE CABLE SHEATH GROUNDING CONFIGURATIONS SEEN ON THE LINE. THE STUDY IS THE RESULT OF EXTENSIVE ANALYSIS OF OVERHEAD PHOTOGRAPHY.

157
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHSS RUFF

25X1

DATA IS INSUFFICIENT TO ENABLE A COMPLETE ASSESSMENT OF THE TECHNICAL CAPABILITIES OR MILITARY USERS OF THE LINE.

DIA	STDY DST10705-231-78	28 AUG 78		SEC CLASS: 25	MSN:	0341P	ACCN: S08527525X1
	CHINGYU MTC		CH	421705N	1265320E		25X1
	WUCHAI MTC		CH	384950N	1113620E		25X1
	SHUANGCHENG-TZU MTC		CH	410800N	1001500E		25X1
	SUNG-LIN MTC		CH	281420N	1020149E		25X1
	TIENWEI MTC		CH	255520N	1024928E		25X1
	CHIN-HSI MTC		CH	404126N	1205309E		25X1
MISSILES, MISSILE TEST CENTERS				CH			
	WAC NO :	BE/OBJ NO:		NPIC NO :	-		
	IDHS CODE:	EPF CAT : 40E		COMIREX NO:			

THIS STUDY PRESENTS AN ALL-SOURCE HISTORY AND ANALYSIS OF THE SURFACE-TO-SURFACE MISSILE RANGES IN THE PEOPLE'S REPUBLIC OF CHINA (PRC). THESE INCLUDE THE SHUANG-CH'ENG-TZU MISSILE TEST RANGE AND THE WU-CHAI, CHIN-YU, CHIN-HSI, AND TIEN-WEI MISSILE TEST CENTERS.

PRIMARY CUTOFF DATE FOR INFORMATION IN THIS STUDY IS 1 DECEMBER 1977 ALTHOUGH INFORMATION THROUGH 15 APRIL 1978 IS INCLUDED ON SEVERAL HIGH-INTEREST ITEMS.

SIX FLIGHT-TEST FACILITIES HAVE BEEN IDENTIFIED IN THE PEOPLE'S REPUBLIC OF CHINA (PRC). THREE OF THEM, SHUANG-CH'ENG-TZU MISSILE TEST CENTER (SCTMTC), WU-CHAI MISSILE TEST CENTER (WCMTTC), AND CHING-YU MISSILE TEST CENTER (CYMTC), ARE ASSOCIATED WITH OFFENSIVE BALLISTIC MISSILE SYSTEMS. ADDITIONALLY, PRC SPACE LAUNCH FACILITIES ARE LOCATED AT SCTMTC. CHIN-HSI MISSILE TEST CENTER (CHMTC) IS THE LOCATION OF CRUISE MISSILE TEST FACILITIES. A POP-UP TEST FACILITY ASSOCIATED WITH A SUBMARINE-LAUNCHED BALLISTIC MISSILE (SLBM) DEVELOPMENT PROGRAM WAS LOCATED AT CHIN-HSI DURING EARLY DEVELOPMENT POP-UP TESTING OF THE SLBM. NO SYSTEM ASSOCIATION HAS YET BEEN MADE WITH THE TIEN-WEI MISSILE TEST CENTER (TWMTTC). SUNG-LIN MISSILE TEST COMPLEX WAS FIRST IDENTIFIED IN JANUARY 1978. THE COMPLEX IS STILL UNDER CONSTRUCTION, AND NO SYSTEM ASSOCIATION HAS BEEN MADE.

IMPACT AREAS FOR THE MAJORITY OF THE BALLISTIC MISSILE SYSTEM LAUNCHES HAVE BEEN IN THE VICINITY OF MIN-FENG AND YA-ERH-TANG IN WESTERN CHINA. IN 1977, A THIRD IMPACT AREA, NEAR HSI-CHANG IN SOUTH CHINA,

TOP SECRET CHESS RUFF

25X1

WAS USED FOR LAUNCHES FROM THE SHUANG-TA FIELD POSITIONS AND THE WCMTC. FULL-RANGE INTERCONTINENTAL BALLISTIC MISSILE (ICBM) FLIGHT-TEST IMPACT AREAS HAVE NOT YET BEEN IDENTIFIED. ALTHOUGH SEVERAL FACTORS INDICATE THE POSSIBILITY OF FUTURE FLIGHT-TESTING TO THE PACIFIC OCEAN, THERE ARE OTHER INDICATIONS OF A PREFERENCE FOR FULL-RANGE ICBM LAUNCHES TO THE INDIAN OCEAN. THE RECENT, TENTATIVE IDENTIFICATION OF TWO RANGE INSTRUMENTATION SHIPS BEING OUTFITTED INDICATES THE PRC'S INTENT TO SUPPORT FULL-RANGE TESTING TO THE BROAD OCEAN AREA.

SYSTEMS ASSOCIATED WITH SCTMTC FACILITIES INCLUDE THE CSS-1 MEDIUM-RANGE BALLISTIC MISSILE (MRBM), THE CSS-2 INTERMEDIATE-RANGE BALLISTIC MISSILE (IRBM), THE CSS-3 ICBM, THE CSL-1 SPACE LAUNCH VEHICLE (WHICH USES THE CSS-3 FOR THE FIRST TWO STAGES), THE CSS-X-4 ICBM, AND A SPACE LAUNCH VEHICLE (THE CSL-2), WHICH USES THE CSS-X-4 AS ITS BOOSTER. THERE ARE THREE LAUNCH POINTS FOR DIFFERENT SIZES OF SOUNDING ROCKETS; THREE R+D SURFACE-TO-AIR MISSILE (SAM) SITES, TWO OF WHICH ARE ASSOCIATED WITH THE CSA-1 AND ONE ASSOCIATED WITH THE CSA-X-2; AND FACILITIES POSSIBLY FOR HANDLING AIR-TO-AIR MISSILES (AAMS) AND AIR-TO-SURFACE MISSILE (ASMS). AT WU-CHAI A SINGLE PAD HAS BEEN USED FOR CSS-2 FLIGHT-TESTING. ONE SILO AT WU-CHAI IS FOR THE CSS-X-4. A NEW SLBM-RELATED LAUNCH FACILITY IS ADJACENT TO THIS PAD. ANOTHER POSSIBLE SILO, NOT YET SYSTEM ASSOCIATED, IS INCOMPLETE AND PRESENTLY INACTIVE. AN ADDITIONAL LAUNCH FACILITY UNDER CONSTRUCTION MAY SUPPORT A MISSILE R+D PROGRAM OR A SPACE PROGRAM. THE CYMTC CONTAINS A SILO LAUNCH FACILITY USED FOR R+D TESTING OF THE CSS-3 AND TWO POSSIBLE SILO LAUNCH POSITIONS IN THE EARLY STAGE OF CONSTRUCTION.

THIS STUDY FOLLOWS THE DEVELOPMENT OF EACH TEST CENTER AND PRESENTS A DETAILED EVALUATION OF LAUNCH FACILITIES. SUPPORT FACILITIES, INCLUDING COMMUNICATIONS FACILITIES AND NETWORKS, INSTRUMENTATION NETWORKS AND FACILITIES, LAUNCH VEHICLE CHECKOUT AND MAINTENANCE FACILITIES, AND GENERAL SUPPORT FACILITIES ARE SIMILARLY REPORTED. IN MOST CASES, THE EXTENT AND CAPACITY OF SUPPORT FACILITIES AT EACH TEST CENTER APPEAR TO EXCEED THE REQUIREMENTS EXPECTED TO BE GENERATED BY THE CENTER'S FEW LAUNCH FACILITIES, AS EVIDENCED BY THE LOW LEVEL OF LAUNCH ACTIVITY. ALSO INCLUDED IS AN EVALUATION OF THE SSM/SPACE-TRACKING AND INSTRUMENTATION FACILITIES THAT MAY SUPPORT SEVERAL TEST CENTERS IN ONE OR MORE CAPACITIES.

DIA STDY DST10005-267-78 25 AUG 78 [] SEC CLASS: 25 MSN: 0082P ACCN: S08527625X1

MISSILES, BALLISTIC MISSILE SYSTEMS TRENDS UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: 00000 EPF CAT : 40 COMIREX NO:

THIS STUDY PRESENTS AN ASSESSMENT OF SOVIET BALLISTIC MISSILE SYSTEM DEVELOPMENT TRENDS AND POTENTIAL SYSTEMS THAT MAY BE DEVELOPED WITHIN THE NEXT 10-YEAR PERIOD. THE SCOPE OF THIS STUDY IS INTENDED TO FULFILL THE REQUIREMENTS OF ESTIMATORS, PLANNERS, AND SYSTEM DESIGNERS WITHIN JCS, OSD, U+S COMMANDS AND MILITARY DEPARTMENTS.

DIA STDY DST13405-432-78 28 AUG 78 [] SEC CLASS: 13 MSN: 0073P ACCN: S08527725X1

AIRCRAFT, TAG B UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05B COMIREX NO:

TOP SECRET CHESS RUFF

25X1

AIRCRAFT, TAG A	BE/OBJ NO:	UR
WAC NO :	EPF CAT : 05B	NPIC NO : -
IDHS CODE:		COMIREX NO:
AIRCRAFT, CHECH B	BE/OBJ NO:	UR
WAC NO :	EPF CAT : 05B	NPIC NO : -
IDHS CODE:		COMIREX NO:
AIRCRAFT, CHECH A	BE/OBJ NO:	UR
WAC NO :	EPF CAT : 05B	NPIC NO : -
IDHS CODE:		COMIREX NO:
AIRCRAFT, CHUCK D	BE/OBJ NO:	UR
WAC NO :	EPF CAT : 05B	NPIC NO : -
IDHS CODE:		COMIREX NO:
AIRCRAFT, CHUCK C	BE/OBJ NO:	UR
WAC NO :	EPF CAT : 05B	NPIC NO : -
IDHS CODE:		COMIREX NO:
AIRCRAFT, CHUCK B	BE/OBJ NO:	UR
WAC NO :	EPF CAT : 05B	NPIC NO : -
IDHS CODE:		COMIREX NO:
AIRCRAFT, KASP B	BE/OBJ NO:	UR
WAC NO :	EPF CAT : 05B	NPIC NO : -
IDHS CODE:		COMIREX NO:
AIRCRAFT, KASP A	BE/OBJ NO:	UR
WAC NO :	EPF CAT : 05B	NPIC NO : -
IDHS CODE:		COMIREX NO:
AIRCRAFT, WING-IN-GROUND EFFECT SYS TRENDS	BE/OBJ NO:	UR
WAC NO :	EPF CAT : 05B	NPIC NO : -
IDHS CODE:		COMIREX NO:

THIS STUDY WHICH IS TO BE UPDATED BIENNIALY, IS THE TREND STUDY ON THE SUBJECT OF THOSE WING-IN-GROUND EFFECT SYSTEMS (WIGS), REFERRED TO BY THE SOVIETS AS EKRANOPLANS OR EKRANOLETS, DEPENDING ON THE SYSTEM'S ALTITUDE CAPABILITY. THE OTHER TWO MAJOR CLASSES OF SURFACE EFFECT VEHICLES (AIR CUSHION VEHICLES AND HYDROFOILS) ARE TREATED IN TWO COMPLEMENTARY STUDIES, DST-13405-042-76, SURFACE EFFECT VEHICLES (CURRENT AND PROJECTED)- ECC (U), AND ST-CS-08-14-73, HYDROFOIL CRAFT-FOREIGN COUNTRIES (U), RESPECTIVELY. THESE THREE DIA STUDIES WILL COVER THE COMPLETE SPECTRUM OF ECC SURFACE EFFECT SYSTEMS' TRENDS.

THIS STUDY FOCUSES ON THE CURRENT SOVIET DEVELOPMENTAL WIGS, THE SYSTEMS' TECHNOLOGICAL IMPLICATIONS AND FUTURE APPLICATIONS. THE DISCUSSION OF FUTURE SYSTEMS PROVIDES ESTIMATES OF VEHICLES CONSIDERED FEASIBLE, BASED ON OBSERVED INDICATORS, AND THOSE CONSIDERED PLAUSIBLE, BASED ON EXTRAPOLATION OF THE SYSTEMS' TECHNOLOGIES. THE PURPOSE IS TO PROVIDE AN ASSESSMENT OF SOVIET APPLIED RESEARCH AND DEVELOPMENT RELATIVE TO THESE SYSTEMS, POTENTIAL APPLICATIONS OF CURRENT DEVELOPMENTAL VEHICLES, AND A FORECAST OF SYSTEMS LIKELY TO BE INTRODUCED INTO OPERATIONAL INVENTORIES WITHIN THE NEXT 10 YEARS.

160
TOP SECRET CHESS RUFF

25X1

25X1

TOP SECRET CHESS RUFF

25X1
25X1

NORILSK ADZ SAM DEVELOPMENTS NEW SEARCH

WAC NO :

BE/OBJ NO:

UR

IDHS CODE:

EPF CAT : 40C

NPIC NO :

COMIREX NO:

DIA SFDY DST10005-013-78

JUL 78

SEC CLASS: 25 MSN:

0201P

ACCN: 5085279 25X1

MISSILES, CSA-1 SYSTEM

WAC NO :

BE/OBJ NO:

CH

IDHS CODE:

EPF CAT : 40C

NPIC NO : -

COMIREX NO:

THIS STUDY PRESENTS AN ALL-SOURCE ANALYSIS OF THE PEOPLE'S REPUBLIC OF CHINA ANTI-AIRCRAFT/SAM DEFENSIVE CAPABILITY. FORMERLY, THIS REPORT WAS CALLED THE CSA-1 MISSILE SYSTEM. THIS STUDY IS ORGANIZED INTO TWO PARTS. THE FIRST PART COVERS THE CSA-1 MISSILE SYSTEM DESCRIPTION AND CAPABILITIES. THE SECOND PART COVERS CSA-1 RELATED TRAINING, R+D ACTIVITIES, PRODUCTION AND STORAGE FACILITIES, AND SAM SUPPORT EQUIPMENT. CSA-1 SYSTEM ANALYSIS IS DEVELOPED PRIMARILY FROM SATELLITE PHOTINT AND ELINT DATA. SUPPORT IN PRODUCING THIS STUDY WAS PROVIDED BY THE U.S. ARMY INTELLIGENCE AND THREAT ANALYSIS CENTER, IMAGERY INTELLIGENCE GROUP, ARLINGTON HALL STATION, VIRGINIA.

THE CUTOFF DATE FOR INFORMATION IN THIS REPORT IS 1 MARCH 1978.

THE CHINESE ARE STILL EXPLOITING THE SOVIET SA-2 MISSILE SYSTEM TO PROVIDE AN IMPROVED AIR DEFENSE NETWORK. THE CHINESE VERSION OF THIS SYSTEM, DESIGNATED CSA-1, CONSISTS OF THE GUIDELINE MOD 1 MISSILE, THE GIN SLING RADAR, AND THE KNIFE REST ACQUISITION RADAR. RECENTLY, THE CHINESE HAVE DEPLOYED A SLOT REST OR ODD LOT ACQUISITION RADAR AT SOME MISSILE SITES.

THE GIN SLING TRACKING/GUIDANCE RADAR CONSISTS OF A SOVIET FAN SONG B WITH AN EXTRA CIRCULAR DISH NEAR THE MIDPOINT OF THE HORIZONTAL TROUGH. ANALYSIS INDICATES THAT THIS EXTRA DISH PERMITS THE RADAR TO OPERATE IN A SCAN-ON-RECEIVE-ONLY (SORO) MODE AND PROVIDES AN ELECTRONIC COUNTER-COUNTERMEASURE (ECCM) CAPABILITY NOT INHERENT IN THE ORIGINAL SOVIET FAN SONG B RADAR.

THE 1972-75 EFFORTS TO HARDEN SELECTED SAM SITES IN THE PRC HAVE STOPPED. ONLY TWO OF THE ORIGINAL 30 SAM SITES IN THE PROGRAM ARE COMPLETELY HARDENED (TA-CHIN-TAO SAM SITE AND NAN-CHING, C01-21).

SHEN-YANG AIRFRAME PLANT 112 HAS BEEN IDENTIFIED AS THE INSTALLATION FOR FABRICATION AND FINAL ASSEMBLY OF THE SUSTAINER AIRFRAME OF THE CHINESE CSA-1 MISSILE. SHEN-YANG AIRCRAFT ENGINE PLANT 410, A KNOWN MANUFACTURER OF AIRCRAFT ENGINES, IS BELIEVED TO BE THE PRODUCER OF THE SUSTAINER ENGINE FOR THE CHINESE SAM. THE PAO-TOU MISSILE SUPPORT EQUIPMENT AND ARTILLERY PLANT 447 HAS BEEN IDENTIFIED AS THE MANUFACTURER OF THE CSA-1 MISSILE LAUNCHER.

A CENTRAL SAM SUPPORT DEPOT AND ONE PROBABLE SAM SUPPORT SUBDEPOT WERE DISCOVERED IN 1971. THE CENTRAL DEPOT IS THE TAI-YUAN SHOU-YANG DEPOT WHICH COULD SERVE ALL OF CHINA FOR CERTAIN PIECES OF CSA-1 EQUIPMENT. THE SUBDEPOT IS THE CHIN-HUANG-TAO STORAGE AREA WHICH COULD SERVE THE PO-HAI GULF REGION IN NORTHEAST CHINA. MORE RECENTLY, SEVEN ADDITIONAL SAM STORAGE AREAS AND ONE PROBABLE SAM STORAGE AREA, HAVE BEEN DISCOVERED. THE SAM STORAGE FACILITIES ARE LOCATED AT PEI-CHING, LUNG-HSI, PAO-CHI, TO-LI, TAO-PU-CHI, CHIH-CHIN-HSIA, AND CHINA-TAO. IN ADDITION, ALL OF THE 89 OCCUPIED SAM SITES HAVE AN ON-SITE SAM SUPPORT CAPABILITY.

SHEN-YANG AIRFRAME PLANT 112, AFTER SEVERAL YEARS OF HIGH CSA-1 PRODUCTION TO FILL THE NEWLY CONSTRUCTED SAM DEPOTS, IS NOW PRODUCING VERY FEW CSA-1 MISSILES. THIS UNUSED CAPACITY AT PLANT 112 COULD BE USED TO PRODUCE A NEW SAM.

161

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESSE RUFF

25X1

DIA STDY DST1170R-396-78

MAY 78

SEC CLASS: 25

MSN:

0027P

ACCN: 5085280 25X1

ELECTRONICS, RADAR DEPLOYMENT SA-4/6 UNIT HQ
 WAC NO : BE/OBJ NO:
 IJHS CODE: EPF CAT : 25C

UR
 NPIC NO : -
 COMIREX NO:

OVER THE PAST FEW YEARS, THE SOVIETS HAVE DRAMATICALLY UPGRADED THE AIR DEFENSES ASSOCIATED WITH THEIR GROUND FORCES. THIS UPGRADING HAS INCLUDED THE INTRODUCTION OF NEW SURFACE-TO-AIR MISSILE SYSTEMS AND MODERN COMMAND AND CONTROL CAPABILITIES. IN ADDITION, THE SOVIETS ARE CONTINUALLY DEPLOYING EITHER UPGRADED RADARS OR NEW ONES AT VARIOUS ECHELONS WITHIN THEIR GROUND FORCES. AT SA-4 BRIGADE AND SA-6 REGIMENTAL HEADQUARTERS, FOR EXAMPLE, THE SOVIETS ARE NOW DEPLOYING ADDITIONAL ACQUISITION RADARS. THIS REPORT DISCUSSES THESE ADDITIONAL RADARS AND THEIR POSSIBLE EFFECTS ON US ECM OPERATIONS. ALTHOUGH THE PRIMARY CUTOFF DATE FOR INFORMATION IN THIS DOCUMENT WAS 31 MARCH 1978, MORE RECENT MATERIAL HAS BEEN INCLUDED AS NECESSARY.

AF STDY FTU2610R-341-78

04 SEP 78

SEC CLASS: 25

MSN:

0046P

ACCN: 5085281 25X1

ELECTRONICS, HF COMMUNICATIONS SYSTEM

WAC NO : BE/OBJ NO:
 IJHS CODE: EPF CAT : 25D

UR
 NPIC NO : -
 COMIREX NO:

MANY FRAGMENTARY ASPECTS OF THE PROBLEM OF UNDERSTANDING THE SOVIET UTILIZATION OF HF COMMUNICATIONS HAVE BEEN ADDRESSED BY VARIOUS WESTERN ANALYSTS. HOWEVER, THE RESULTS HAVE NEVER BEEN COMPILED TO FORM A COMPREHENSIVE PERSPECTIVE OF THE TOTAL PROBLEM. ALSO, THE PROBLEM HAS NEVER BEEN APPROACHED FROM THE VIEWPOINT OF THE SOVIETS' OWN PERCEPTION OF HF COMMUNICATION. IT IS, THEREFORE, THE PURPOSE OF THIS REPORT TO PROVIDE AN INITIAL ASSESSMENT OF THE SOVIET POSITION ON THE VALUE AND USAGE OF HF COMMUNICATIONS. THE CONCERN LIES PRIMARILY WITH SOVIET STRATEGIC MILITARY USAGE IN A NUCLEAR ENVIRONMENT, BUT BY NECESSITY THE COMPREHENSIVE SOVIET POSITION SHOULD BE UNDERSTOOD TO OBTAIN A PROPER PERSPECTIVE.

THE METHOD OF ASSESSING A SUBJECT WITH SUCH A LARGE AMOUNT OF DATA NECESSITATES A VERY BROAD APPROACH. SINCE MANY FACTORS ARE INTERDEPENDENT, IT IS VERY IMPORTANT TO DEVELOP A WIDE PERSPECTIVE OF THIS MANY-FACETED PROBLEM TO FORMULATE AN ACCURATE EVALUATION. THIS REPORT SUMMARIZES AND EVALUATES THE SOVIET PERCEPTION OF HF COMMUNICATIONS BY DRAWING FROM THE GAMUT OF DATA ON SOVIET HF COMMUNICATIONS. CARE HAS BEEN TAKEN TO PREVENT AN INUNDATION WITH DATA, REFERENCES, AND DETAILS AND TO PRESERVE A CLEAR AND COMPREHENSIVE PRESENTATION OF THIS ANALYSIS. THEREFORE, ONLY A SMALL REPRESENTATION OF AVAILABLE DATA AND REFERENCES IS HIGHLIGHTED IN SUBSTANTIATING AND EXEMPLIFYING THE STATEMENTS AND ARGUMENTS PRESENTED IN THIS REPORT. IT SHOULD BE REMEMBERED THAT THIS SHORT REPORT IS ATTEMPTING TO UNIFY VAST AMOUNTS OF DATA AND ANALYSES INTO ONE COMPREHENSIVE PERSPECTIVE.

THIS REPORT DEALS WITH THE TECHNOLOGICAL FOUNDATION OF SOVIET HF COMMUNICATIONS; THE RELIABILITY AND QUALITY OF SOVIET HF COMMUNICATIONS; THE PROBLEMS AND PERCEPTIONS OF HF PROPAGATION IN A NUCLEAR ENVIRONMENT; THE SOVIET DEPENDENCE ON HF, AND THE CONCLUSIONS.

25X1

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TOP SECRET CHESS RUFF

25X1

25X1

AF ENDR E1502-78 30 JUN 78 SEC CLASS: 13 MSN: 0001P ACCN: 5085287

25X1

ELECTRONICS, ANTENNAS HARD
WAC NO : BE/OBJ NO: UR
IDHS CODE: EPF CAT : 25 NPIC NO : -
COMIREX NO:

THIS DRAWING SUPPLEMENTS PAR 78-550.*

25X1

164
TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

25X1

25X1

AF PAR 669-78 06 SEP 78 SEC CLASS: 13 MSN: 0005P ACCN: S085377 25X1

MISSILES, SSM DEPLOYMENT EVALUATION CH
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 40 COMIREX NO:

THIS REPORT REFERENCES PAR 72-812 PAR 72-661 AND DRAWING 72E6548. SSM LAUNCH FACILITIES WERE ANALYZED TO DETERMINE THE NUMBER OF CHECKOUT BUILDINGS, CHOWHALLS, GARAGES (INCLUDING THE NUMBER OF BAYS), BARRACKS, GSE CAVES AND DEPENDENT STRUCTURES. RESULTS ARE PRESENTED IN TABULAR FORMAT.*

25X1

AF PAR 643-78 31 JUL 78 SEC CLASS: 13 MSN: 0002P ACCN: S085379 25X1

KULUKUSHAN IMPACT AREA CSS-X-4 CRATERS SEARCH CH 4137 N 08920 E
WAC NO : 0330 BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 40A COMIREX NO:

A PHOTOGRAPHIC SEARCH OF THE KU-LU-KO IMPACT AREA FOR CRATERS RESULTING FROM THE IMPACT OF TWO CSS-X-4 REENTRY VEHICLES PRODUCED NEGATIVE RESULTS.*

AF PAR 639-78 03 AUG 78 SEC CLASS: 13 MSN: 0003P ACCN: S085380 25X1

TYURATAM MTC SPACE SITE R1 CONST ACT UNIQUE UR 455950N 0633348E

25X1

170
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS

25X1
25X1

SPACE, SITES NON-MAGNETIC TEST FACS NEW SRCH UR
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 40H COMIREX NO:

A SEARCH OF SL-6 AND SL-8 ASSOCIATED INSTALLATIONS AT THE PLESETSK AND TYURATAM TEST RANGES FOR RECENTLY CONSTRUCTED FACILITIES OR AN ADDITION TO EXISTING STRUCTURES THAT COULD PERFORM NON-MAGNETIC TESTING OF SPACE PAYLOADS REVEALED UNUSUAL OR UNIQUE CONSTRUCTION ACTIVITY ONLY AT TYURATAM SPACE LAUNCH SITE B1. THIS ACTIVITY CONSISTED OF A MOAT-LIKE EXCAVATION ON THE SOUTHWEST SIDE OF THE RELOCATED RAIL SPUR IN THE SUPPORT AREA. THE KEY SIGNATURE WAS THE LOCATION OF FACILITIES/STRUCTURES AT OR NEAR AN EXISTING SPACECRAFT CHECKOUT AND ASSEMBLY BUILDING.*

25X1

AF PAR 640-78 01 AUG 78 SEC CLASS: 13 MSN: 0004P ACCN: S085382

25X1

MOSKVA GUIDED MISSILE R+D/PROD PLT KHIKMI 293 UR 555444N 0372701E

25X1

THIS REPORT, TOGETHER WITH DRAWINGS 72C6516/6 AND 70C3501/6, GIVES AN UPDATED ANALYSIS OF MOSKVA KHIKMI PLANT 293 SINCE MAY 1977 (PAR 77-602). IT CONTAINS TABULAR LISTINGS OF PHOTO MISSIONS, QUALITY OF IMAGERY, AND CHRONOLOGICAL GROWTH INFORMATION. DESCRIPTIONS OF BUILDING SUBSECTIONS, GIVING TOTAL ROOF COVER AND FLOORSPACE, YEAR OF COMPLETION AND OTHER PERTINENT INFORMATION ARE INCLUDED. THERE WERE NO AIRCRAFT ASSEMBLIES AND SUBASSEMBLIES, COMPONENTS, OR SHIPPING CRATES OBSERVED BETWEEN MAY 1977 AND MAY 1978.*

AF PAR 622-78 12 SEP 78 SEC CLASS: 13 MSN: 0008P ACCN: S085383

25X1

KUZNETSOVO AIRCRAFT ENGINE TEST FAC PROB U/C UR 553226N 0382941E

25X1

171
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

THE KUZNETSOVO PROBABLE AIRCRAFT ENGINE TEST FACILITY IS LOCATED APPROXIMATELY 5 NAUTICAL MILES NORTH OF THE FAUSTOVO AEROSPACE RESEARCH AND DEVELOPMENT FACILITY, APPROXIMATELY 2.5 NAUTICAL MILES WEST OF KUZNETSOVO UNIDENTIFIED INSTALLATION, AND APPROXIMATELY 5 NAUTICAL MILES NORTHEAST OF THE TOWN OF KUZNETSOVO. ELECTRICAL POWER IS SUPPLIED FROM A SUBSTATION LOCATED APPROXIMATELY 3 NAUTICAL MILES NORTHEAST OF THE FACILITY. RAIL SERVICE AND THE MAIN ACCESS ROAD TO THIS FACILITY ARE FROM THE SOUTH AND PASS THROUGH THE WESTERNMOST EDGE OF THE FAUSTOVO AEROSPACE RESEARCH AND DEVELOPMENT FACILITY ON THEIR WAY TO THE KUZNETSOVO FACILITIES.

NO LARGE SCALE STEREO IMAGERY OF THE KUZNETSOVO PROBABLE AIRCRAFT ENGINE TEST FACILITY WAS AVAILABLE FOR THIS ANALYSIS. ALL HEIGHTS CITED IN THIS REPORT ARE APPROXIMATE. WHEN LAST OBSERVED IN MARCH 1978, THE FACILITY WAS STILL UNDER CONSTRUCTION AND COVERED AN AREA APPROXIMATELY 7,000 METERS BY 7,000 METERS. AT THAT TIME, THE FACILITY CONTAINED A LARGE PROBABLE AIRCRAFT ENGINE TEST CELL BUILDING, A LARGE INDUSTRIAL-TYPE BUILDING, A POSSIBLE CONTROL BUILDING, A SUBSTATION, A STEAMPLANT WITH ITS FUEL STORAGE FACILITY, A TRANSHIPMENT BUILDING, AND TEN OTHER BUILDINGS. A RAIL-SERVED POL STORAGE AREA IS LOCATED APPROXIMATELY 0.5 NAUTICAL MILES SOUTHWEST OF THE FACILITY AND A 3-SIDING RAIL YARD IS LOCATED JUST NORTH OF THE POL STORAGE AREA. IN THIS REPORT A DETAILED DISCUSSION OF THE FACILITY IS GIVEN FIRST, FOLLOWED BY A DISCUSSION OF THE POL STORAGE AREA AND RAIL YARD. FINALLY, A GENERAL CHRONOLOGY IS GIVEN.

ANNOTATIONS ARE KEYED TO DRAWING 78D6528.

AF PAR 646-78 07 AUG 78 SEC CLASS: 13 MSN: 0004P ACCN: 508538425X1

MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156 UR 554542N 0374034E

25X1

THIS REPORT AND DRAWING 70C6589/6 PROVIDES AN UPDATED ANALYSIS OF MOSKVA AIRCRAFT EXPERIMENTAL PLANT TSAGI 156. IT INCLUDES A TABULATED LISTING OF THE MISSIONS WHICH COVERED THE FACILITY SINCE PAR 76-616, REFLECTS CHANGES IN ROOF COVERAGE AND FLOORSPACE, AND EVALUATES PHOTOGRAPHY. THIS REPORT SUPERSEDES PAR 77-580.*

25X1

AF PAR 550-78 18 JUL 78 SEC CLASS: 13 MSN: 0009P ACCN: 508538625X1

ELECTRONICS, ANTENNAS HARDENED ICBM ASSOC UR

172
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

WAC NO :
IDHS CODE:BE/OBJ NO:
EPF CAT : 25CNPIC NO : -
COMIREX NO:

THIS REPORT IS A DESCRIPTIVE ANALYSIS OF BURIED HARDENED ANTENNA STRUCTURES ASSOCIATED WITH THE FOLLOWING ICBM FACILITIES: III-D, III-E, III-F, III-G, III-H AND III-X. IT DESCRIBES 6 TYPES OF BURIED PHASE II HARDENED ANTENNAS WHICH WERE FIRST DEPLOYED ON OCTOBER 1973. ANALYSIS OF A MAST ANTENNA IS ALSO INCLUDED DUE TO ITS APPARENT HIGH ROLE IN SOVIET COMMUNICATIONS AS EVIDENCED BY ITS EXTENSIVE UTILIZATION. THE 6 BURIED HARDENED ANTENNAS INCLUDE THE BI-GRID, DOME, HOOK, PLUS, LINEAR AND WASHER. THE MAST ANTENNA INCLUDES THE MAST WITH YAGI ELEMENTS AND THE PE-EL-02.

THIS DOCUMENT IS SUPPLEMENTED BY DRAWINGS 781502 AND 77E1509/1 AND PARS 74-553, 76-694, 77-615, 78-540 AND 78-551.*

AF PAR 642-78 31 JUL 78 [REDACTED] SEC CLASS: 13 MSN: 0003P ACCN: S085387 25X1
ZAPOROZHYE AIRCRAFT ENGINE PLANT 478 DSGN BUR UR 474928N 0351147E

25X1

THIS REPORT WITH DRAWING 69C4532/2 AND DRAWING 71D6530/7 PROVIDES AN UPDATED PHOTO ANALYSIS OF ZAPOROZHYE AIRCRAFT ENGINE PLANT 478 LOTAREV OKB. IT INCLUDES A TABLE WHICH GIVES A CHRONOLOGY OF PHOTOGRAPHIC COVERAGE AND FACILITY GROWTH SINCE PAR 77-709. PARS 70-700, 76-580 AND 77-709 ARE UPDATED BY THIS REPORT.*

AF PAR 633-78 03 AUG 78 [REDACTED] SEC CLASS: 13 MSN: 0003P ACCN: S085388 25X1
IVANKOVO ELECTRONICS R+D FAC WIND TUNNEL SUSP UR 564350N 0370600E

25X1

THIS REPORT AND DRAWING 78C4518 PROVIDE A DETAILED ANALYSIS OF A BUILDING SUSPECTED TO BE A SUBSONIC WIND TUNNEL LOCATED IN AREA A OF THE IVANKOVO PROBABLE ELECTRONICS R+D FACILITY.*

25X1

173
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1
25X1

25X1

AF	PAR	634-78	01 AUG 78		SEC CLASS: 13	MSN:	0003P	ACCN: S085391	25X1
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MISSILES, CSS-2 MOBILE LIGHTENING ARRESTER	CH
WAC NO :	BE/OBJ NO:
IUHS CODE:	EPF CAT : 40B
MISSILES, CSS-2 CONTROL/ALIGNMENT VAN	CH
WAC NO :	BE/OBJ NO:
IUHS CODE:	EPF CAT : 40B
NUCLEAR, CSS-1/CSS-2 WARHEAD VAN	CH
WAC NO :	BE/OBJ NO:
IUHS CODE:	EPF CAT : 55D
MISSILES, CSS-1 TRANSPORTER/ERECTOR	CH
WAC NO :	BE/OBJ NO:
IUHS CODE:	EPF CAT : 40B
MISSILES, CSS-2 TRANSPORTER/ERECTOR 1	CH
WAC NO :	BE/OBJ NO:
IUHS CODE:	EPF CAT : 40B
MISSILES, CSS-3 SECOND STAGE TRANSPORTER	CH
WAC NO :	BE/OBJ NO:
IUHS CODE:	EPF CAT : 40A
MISSILES, TRANSPORTER ROAD TYPE G	CH
WAC NO :	BE/OBJ NO:
IUHS CODE:	EPF CAT : 401
MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40A	COMIREX NO:
MISSILES, CSS-2/CSS-3 TRANSPORTER 2		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CSS-2/CSS-3 TRANSPORTER		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40A	COMIREX NO:
MISSILES, CSS-2/CSS-3 TRANSPORTER		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CSS-1 TRANSPORTER		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40A	COMIREX NO:
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40A	COMIREX NO:
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40A	COMIREX NO:
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40A	COMIREX NO:
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, PROPELLANT VEHICLE TYPE O		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

IDHS CODE:	EPF CAT : 40A	COMIREX NO:
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40A	COMIREX NO:
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, SSM GROUND SUPPORT EQUIPMENT		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:

THIS REPORT AND ASSOCIATED DRAWING 72E1510/5 UPDATE PARS 77-501 AND 75-616, AND DRAWING 72E1510/4.
 INSET NUMBERS REFERENCED RELATE TO THE ASSOCIATED DRAWING. CHINESE SSM ASSOCIATED EQUIPMENT IS PRESENTED
 BY FUNCTIONAL BREAKDOWN AND SYSTEM BREAKDOWN.*

25X1

176
 TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1
25X1

25X1

AF PAR 661-78 29 AUG 78 SEC CLASS: 13 MSN: 0002P ACCN: S085393 25X1

PAVLOGRAD SOLID MTR TEST FAC SS-17/18 LAD UR 482605N 0355817E

25X1

PAVLOGRAD SOLID MTR TEST FAC SS-17/18 LAD UR 482605N 0355817E

25X1

THIS REPORT PROVIDES A COMPARISON OF THE SS-17 AND SS-18 LAUNCH ASSIST DEVICES (LADS) FOUND AT PAVLOGRAD SOLID MOTOR TEST FACILITY SINCE JANUARY 1976, AND THOSE LADS KNOWN TO BE ASSOCIATED WITH THESE TWO SYSTEMS.

DRAWING 72D6531 AND REPORT RFB22/0004/76 SUPPLEMENT THIS REPORT.*

AF PAR 658-78 29 AUG 78 SEC CLASS: 13 MSN: 0004P ACCN: S085394 25X1

AIRCRAFT, FISHPOT B/C SU-9/11 ARMAMENT SRCH UR
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 05D COMIREX NO:

IN AN ATTEMPT TO DETECT EVIDENCE OF ARMAMENT ASSOCIATED WITH FISHPOT AIRCRAFT, ALL FISHPOT DEPLOYMENT BASES WERE REVIEWED. THE RESULTS OF THIS REVIEW PROVIDED NO EVIDENCE OF A GUN ASSOCIATED WITH FISHPOT AIRCRAFT.*

25X1

25X1

177
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1
25X1
25X1

25X1

AF ENDR E1510-5-72 14 JUL 78

SEC CLASS: 13 MSN: 0001P

ACCN: 5085396 25X1

SPACE, CSS-X-4/CSL-2 PAYLOAD TRANSPORTER	CH
WAC NO :	BE/OBJ NO:
IUHS CODE:	EPF CAT : 40A
MISSILES, CSS-X-4/CSL-2 PAYLOAD TRANSPORTER	NPIC NO : -
WAC NO :	COMIREX NO:
IUHS CODE:	CH
MISSILES, CSS-2 CHECKOUT SUPPORT VEHICLE POSS	NPIC NO : -
WAC NO :	COMIREX NO:
IUHS CODE:	CH
MISSILES, CSS-1 LAUNCH STAND TRAILER	NPIC NO : -
WAC NO :	COMIREX NO:
IUHS CODE:	CH
MISSILES, CSS-1 LAUNCH STAND TRUCK	NPIC NO : -
WAC NO :	COMIREX NO:
IUHS CODE:	CH
MISSILES, CSS-1/CSS-2 CRANE TRUCK MOUNTED	NPIC NO : -
WAC NO :	COMIREX NO:
IUHS CODE:	CH
MISSILES, CSS-1 A-FRAME CRANE	NPIC NO : -
WAC NO :	COMIREX NO:
IUHS CODE:	CH
MISSILES, CSS-2 LAUNCH STAND TRANSPORTER	NPIC NO : -
WAC NO :	COMIREX NO:
IUHS CODE:	CH
MISSILES, SSM GANTRY CRANE	NPIC NO : -
WAC NO :	COMIREX NO:
IUHS CODE:	CH
MISSILES, CSS-1/CSS-2 CHERRY PICKER	NPIC NO : -
WAC NO :	COMIREX NO:
BE/OBJ NO:	NPIC NO : -

TOP SECRET CHESS RUFF

25X1

IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, SRBM TRANSPORTER/ERECTOR TYPE C		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CSS-X-4 2ND STAGE TRANSPORTER F		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40A	COMIREX NO:
MISSILES, CSS-X-4 1ST STAGE TRANSPORTER E		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40A	COMIREX NO:
MISSILES, TRANSPORTER ROAD TYPE B		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, PROPELLANT VEHICLE TYPE M		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, CSS-2 PROPELLANT VEHICLE 1 TYPE K		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CRYOGEN TRAILER TYPE F		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, PROPELLANT VEHICLE TYPE N		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, CSS-2 PROPELLANT VEHICLE 2 TYPE L		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CSS-1/SRBM FUEL TRANSPORTER TYPE E		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, PROPELLANT VEHICLE TYPE D		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, PROPELLANT VEHICLE TYPE C		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, PROPELLANT VEHICLE TYPE B		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, PROPELLANT VEHICLE TYPE A		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

MISSILES, CSS-X-4 2ND STAGE TRANSPORTER C2	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, CSS-X-4 2ND STAGE TRANSFER CAR B3	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, CSS-X-4 1ST STAGE TRANSFER CAR B2	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, TRANSPORTER RAIL TYPE E	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, TRANSPORTER RAIL TYPE D	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, CSS-X-4 1ST STAGE TRANSPORTER C1	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, CSS-1/CSS-2 TRANSFER RAIL CAR B1	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, CSS-1/CSS-2 TRANSPORTER RAIL TYPE A	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE M	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE L	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE J	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE I	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE H	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE G	CH
WAC NO :	NPIC NO : -
IDHS CODE:	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE N	CH

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1
25X1

WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE C2		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE K		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE F		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE D		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE C1		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, PROPELLANT RAIL CAR TYPE B		CH
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, CSS-1 TRANSPORTER/ERECTOR		CH
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 40B	COMIREX NO:

25X1

MISSILES, CSS-3 SECOND STAGE TRANSPORTER		CH
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 40A	COMIREX NO:
MISSILES, CSS-2 TRANSPORTER/ERECTOR 1		CH
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CSS-2/CSS-3 TRANSPORTER 2		CH
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, TRANSPORTER ROAD TYPE G		CH
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 40I	COMIREX NO:
MISSILES, CSS-2/CSS-3 TRANSPORTER		CH
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 40B	COMIREX NO:
MISSILES, CSS-2/CSS-3 TRANSPORTER 2		CH
WAC NO :	BE/OBJ NO:	NPIC NO :

25X1

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TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

MISSILES, CSS-1 TRANSPORTER	IDHS CODE:	EPF CAT : 40A	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 TRANSPORTER	IDHS CODE:	EPF CAT : 40B	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	IDHS CODE:	EPF CAT : 40A	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	IDHS CODE:	EPF CAT : 40A	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	IDHS CODE:	EPF CAT : 40B	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	IDHS CODE:	EPF CAT : 40A	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	IDHS CODE:	EPF CAT : 40B	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	IDHS CODE:	EPF CAT : 40A	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	IDHS CODE:	EPF CAT : 40B	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	IDHS CODE:	EPF CAT : 40A	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	IDHS CODE:	EPF CAT : 40B	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, PROPELLANT VEHICLE TYPE 0	IDHS CODE:	EPF CAT : 40I	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	IDHS CODE:	EPF CAT : 40B	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	IDHS CODE:	EPF CAT : 40A	COMIREX NO:
WAC NO :	BE/OBJ NO:	CH	NPIC NO :
	IDHS CODE:		COMIREX NO:

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1
25X1

MISSILES, SSM GROUND SUPPORT EQUIPMENT
 WAC NO : BE/OBJ NO:
 IDHS CODE: EPF CAT : 40I
 MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1
 WAC NO : BE/OBJ NO:
 IDHS CODE: EPF CAT : 40A
 MISSILES, PROPELLANT RAIL CAR TYPE A
 WAC NO : BE/OBJ NO:
 IDHS CODE: EPF CAT : 40I
 MISSILES, CSS-2 MOBILE LIGHTENING ARRESTER
 WAC NO : BE/OBJ NO:
 IDHS CODE: EPF CAT : 40B
 MISSILES, CSS-2 CONTROL/ALIGNMENT VAN
 WAC NO : BE/OBJ NO:
 IDHS CODE: EPF CAT : 40B

CH
 NPIC NO :
 COMIREX NO:
 CH
 NPIC NO :
 COMIREX NO:
 CH
 NPIC NO : -
 COMIREX NO:
 CH
 NPIC NO : -
 COMIREX NO:
 CH
 NPIC NO : -
 COMIREX NO:

THIS DRAWING SUPPLEMENTS PARS 75-616, 77-501, AND 78-634.*

AF PAR 613-78 01 SEP 78 SEC CLASS: 13 MSN: 0008P ACCN: S085398 25X1

RAMENSKOYE FLIGHT TEST CENTER AREA 5 UR 553238N 0380710E

25X1

THIS REPORT IS A DETAILED ANALYSIS OF THE MYASISHCHEV PORTION OF THE RAMENSKOYE FLIGHT TEST CENTER. IT IS BASED ON APPLICABLE KEYHOLE MISSIONS FROM JULY 1961 TO MAY 1978. IT UPDATES PAR 77-630 AND IS SUPPLEMENTED BY FTD DRAWINGS 70D6594, 71D4507 AND 73D6511/2.*

AF PAR 610-78 06 SEP 78 SEC CLASS: 13 MSN: 0005P ACCN: S085399 25X1

MISSILES, ICBM SITES DEPLOYED BLDGS ASSOC
 WAC NO : BE/OBJ NO:
 IDHS CODE: EPF CAT : 40A

UR
 NPIC NO : -
 COMIREX NO:

THIS REPORT IS AN ANALYSIS OF STRUCTURES ASSOCIATED WITH DEPLOYED ICBM LAUNCH SITES AND THE TYPE IIIX LAUNCH CONTROL FACILITIES.

THE INSET NUMBERS REFERENCED IN THIS REPORT ARE KEYED TO DRAWING 74E1505/1 ENTITLED TYPE IIID (SS-11) LAUNCH SITE MODERNIZATION, AND PAR 76-602 AND ITS ASSOCIATED DRAWING 76C1512 ENTITLED NEW SECURITY BUILDING AT ICBM LAUNCH SITES.*

AF PAR 660-78 12 SEP 78 SEC CLASS: 13 MSN: 0006P ACCN: S085400 25X1

VORONEZH ROCKET ENG TEST FAC LASER TEST RANGE UR 513432N 0390945E

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TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1
25X1

VORONEZH ROCKET ENG TEST FAC LASER TEST RANGE UR 513432N 0390945E

25X1

25X1

THIS REPORT AND DRAWING 78D6536, 68C6510 AND 69D4571 PROVIDE AN ANALYSIS OF THE POSSIBLE LASER TEST RANGE AT THE VORONEZH ROCKET ENGINE TEST FACILITY. IT SPECIFICALLY PROVIDES A CHRONOLOGY OF THE CONSTRUCTION SEQUENCE WITH A TABULATION OF PHOTOGRAPHY/IMAGERY AND QUALITY RATING; AND A DESCRIPTION OF SECURITY WALLS, AND FENCES, AND SUPPORT FACILITIES.*

AF PAR 652-78 31 AUG 78 SEC CLASS: 13 MSN: 0006P ACCN: S085401 25X1

KRASNAYA PAKHRA NUCLEAR RESEARCH COMPLEX UR 552903N 0371837E

25X1

THIS REPORT UPDATES BUT DOES NOT SUPERSEDE PAR'S 73-575 AND 76-675. ASSOCIATED DRAWING NUMBER 73D6514 WAS ALSO UPDATED.

THIS REPORT ON KRASNAYA PAKHRA RESEARCH COMPLEX COVERS THE RESEARCH LABORATORY SECTION AND THE ADJACENT LINEAR RANGE. IT SPECIFICALLY PROVIDES A CONSTRUCTION CHRONOLOGY OF A LARGE INDUSTRIAL-TYPE BUILDING WHICH IS SOUTHEAST OF THE LINEAR RANGE TUNNEL; A DESCRIPTION OF CRYOGENS AND ANY OTHER PRESSURIZED GAS TANKAGE AS WELL AS VEHICULAR ACTIVITY NEAR THE LARGE INDUSTRIAL-TYPE BUILDING; A DESCRIPTION OF FACILITY SECURITY; AND A CHRONOLOGICAL LIST OF THE IMAGERY WHICH COVERED THIS AREA SINCE OCTOBER 1976.*

AF PAR 677-78 18 SEP 78 SEC CLASS: 13 MSN: 0006P ACCN: S085402 25X1

KUNMING SSM FIELD POSITION CH 245208N 1025347E

25X1

THIS REPORT PROVIDES DETAILS OF THE PHYSICAL EXPANSION OF THE KUN-MING SSM FIELD POSITION AND SYNOPSIS THE CHRONOLOGICAL OBSERVATIONS OF SSM-RELATED ACTIVITY AT THE FACILITIES.

THIS REPORT IS KEYED TO DRAWING 78B4522 AND UPDATES PAR 77-564.*

AF PAR 653-78 07 SEP 78 SEC CLASS: 13 MSN: 0009P ACCN: S085403 25X1

MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165 UR 554935N 0373935E

25X1

THIS REPORT ON THE MOSKVA EXPERIMENTAL ENGINE PLANT 165 PROVIDES DETAILS ON NEW CONSTRUCTION AND BUILDING EXPANSION; BOUNDARY CHANGES AND SUPPORT FACILITIES OF THE COMPLEX; AND A DESCRIPTION AND LOCATION

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TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

OF HARDWARE OBSERVED WITHIN THE COMPLEX. THIS REPORT SUPERSEDES PARS 76-561 AND 77-614. DRAWING NUMBER 78C6534 SUPERSEDES DRAWINGS 71C6520/5 AND 70B4501/2.*

AF PAR 666-78 01 SEP 78 [REDACTED] SEC CLASS: 13 MSN: 0005P ACCN: S08540425X1
SHUANGCHENG TZU MTC SITE B1/2 TRENCHING CH 411828N 1001854E

25X1

THIS REPORT PROVIDES AN UPDATED ANALYSIS OF TRENCHING ACTIVITY WITHIN THE SCT LAUNCH TEST SITE B1/2 FACILITY. IT PROVIDES SPECIFIC INFORMATION ON NEW TRENCHING SINCE [REDACTED] FACILITIES/AREAS/BUILDINGS CONNECTED BY NEW TRENCHING; WHETHER OBSERVED ACTIVITY REPRESENTS NEW TRENCHING OR OPENING OF PREEXISTENT TRENCHES; TYPE OF TRENCHES; DATES WHEN NEW TRENCHING WAS FIRST OBSERVED; ASSOCIATED MATERIALS SUCH AS PIPE, CABLE REELS, ETC. WITHIN THE AREA; NEW BUILDING CONSTRUCTION REQUIRING UTILITY LINES; AND CURRENT STATUS OF TRENCH LINES. DRAWING 78D6537 SUPPLEMENTS THIS REPORT.*

25X1

25X1

AF PAR 671-78 12 SEP 78 [REDACTED] SEC CLASS: 13 MSN: 0002P ACCN: S08540625X1
NOGINSK CHEMICAL PHYSICS INST CHEM LASER RSCH UR 560030N 0382348E

25X1

THIS REPORT AND REVISION 1 TO DRAWING 77D6529 UPDATE PAR 77-683 AND DRAWING 77D6529 ON THE POSSIBLE CHEMICAL LASER RESEARCH BUILDING AT NOGINSK INSTITUTE OF CHEMICAL PHYSICS. IMAGERY FROM ALL APPLICABLE KEYHOLE MISSIONS. [REDACTED] WAS USED.*

25X1

AF PAR 667-78 06 SEP 78 [REDACTED] SEC CLASS: 13 MSN: 0005P ACCN: S08540725X1
CHITA SRF ARMY HQ RADIO COMMO XMTR HARD ANTS UR 520324N 1601137E

25X1

THIS REPORT SUPERSEDES PAR 75-539 AND UPDATES PARAGRAPH 2B OF PAR 78-535.

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TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

A CONSTRUCTION CHRONOLOGY, ANTENNA AZIMUTHS AND MEASUREMENTS, AND OTHER DETAILS ARE PROVIDED FOR CHITA
SRF ARMY HEADQUARTERS RADCOM TRANSMITTER/HARD.*

25X1

AF PAR 664-78 13 SEP 78 SEC CLASS: 13 MSN: 0003P

ACCN: 5085409 25X1

ORENBURG SRF ARMY HQ RADIO XMTR STATION BKR UR 520152N 0701818E

25X1

THIS REPORT SUPERSEDES PAR 77-622 DATED JULY 25, 1977. IT INCLUDES A FACILITY DESCRIPTION, ANTENNA
MEASUREMENTS AND FACILITY STATUS FOR ORENBURG SRF ARMY HEADQUARTERS RADIO TRANSMITTER STATION BUNKERED.*

25X1

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TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

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25X1

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AF ENDR C6534-78 08 AUG 78 SEC CLASS: 13 MSN: 0001P

ACCN: 5085420 25X1

MOSKVA AIRCRAFT ENGINE EXPERIMENTAL PLANT 165 UR 554935N 0373935E

25X1

THIS DRAWING SUPPLEMENTS PAR 78-653 AND SUPERSEDES DRAWINGS 71C6520/5 AND 70B4501/2.*

AF ENDR B4522-78 12 SEP 78 SEC CLASS: 13 MSN: 0001P

ACCN: 5085421 25X1

KUNMING SSM FIELD POSITION CH 245208N 1025347E

188
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1
25X1

THIS DRAWING SUPPLEMENTS PARS 78-677 AND 77-564. IT SUPERSEDES DRAWING 72D4528/3, INSET B.*

AF ENDR D6535-78 17 AUG 78 TCS-385127-78 SEC CLASS: 14 MSN: 0001P ACCN: S085422

SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ UR 564857N 0603315E

25X1

25X1

SVERDLOVSK RADIO PLT/AUTOMATION RSCH INST HQ UR 564857N 0603315E

25X1

SVERDLOVSK RADIO PLANT/AUTOMATION RSCH INST UR 565013N 0603710E

25X1

SVERDLOVSK RADIO PLANT/AUTOMATION RSCH INST UR 565013N 0603710E

25X1

THIS DRAWING SUPPLEMENTS PAR 78-656.*

AF ENDR D4528-3-72 12 SEP 78 SEC CLASS: 13 MSN: 0001P ACCN: S085423

KUNMING SSM FIELD POSITION CH 245208N 1025347E

25X1

ITU SSM TRAINING POSITION CH 363604N 1182842E

25X1

THIS DRAWING SUPPLEMENTS PARS 72-638, 77-535 AND 77-564.*

AF ENDR D6510-7-70 25 AUG 78 SEC CLASS: 13 MSN: 0001P ACCN: S085424

SHUANGCHENG TZO MTC SITE B1/2 TRENCHING CH 411828N 1001854E

25X1

THIS DRAWING SUPPLEMENTS PARS 77-634, 78-666, 71-597, 72-534, 73-556 AND 74-697.*

AF ENDR D6537-78 25 AUG 78 SEC CLASS: 13 MSN: 0001P ACCN: S085425

189
TOP SECRET CHESS RUFF

25X1

[REDACTED] TOP SECRET CHESS RUFF [REDACTED]

25X1

SHUANGCHENG TZU MTC SITE B1/2 TRENCHING CH 411828N 1001854E

25X1

[REDACTED]
THIS DRAWING SUPPLEMENTS PARS 78-666 AND 77-634 AND DRAWINGS 77E6531 AND 70D6510/6.*

25X1

AF ENDR D6528-78 19 JUN 78 [REDACTED] SEC CLASS: 13 MSN: 0001P
KUZNETSOVO AIRCRAFT ENGINE TEST FAC PROB U/C UR 553226N 0382941E

ACCN: S085429 25X1

[REDACTED]
THIS DRAWING SUPPLEMENTS PAR 78-622.*

25X1

AF ENDR D4515-1-77 AUG 78 [REDACTED] SEC CLASS: 13 MSN: 0001P
SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB UR 454840N 0733404E

ACCN: S085430 25X1

25X1

190
TOP SECRET CHESS RUFF [REDACTED]

25X1

TOP SECRET CHESS RUFF

25X1

SARY SHAGAN MTC COMPLEX D LASER FACILITY PROB UR 454840N 0733404E

25X1

THIS DRAWING SUPPLEMENTS PARS 77-691 AND 78-665.*

AF ENDR C6510-4-68 18 AUG 78 SEC CLASS: 13 MSN: 0001P

ACCN: S085431 25X1

VORONEZH ROCKET ENGINE TEST FACILITY UR 513432N 0390945E

25X1

THIS DRAWING SUPPLEMENTS PARS 78-660, 68-543, 68-754, 69-754 AND 73-608 AND DRAWINGS 68B4567, 69B4572, 69D4571 AND 78U6536.*

AF ENDR D4571-1-69 18 AUG 78 SEC CLASS: 13 MSN: 0001P

ACCN: S085432 25X1

VORONEZH ROCKET ENG TEST FAC HRZTL TEST BLDG UR 513432N 0390945E

25X1

THIS DRAWING SUPPLEMENTS PARS 69-754 AND 78-660.*

AF ENDR D6536-78 18 AUG 78 SEC CLASS: 13 MSN: 0001P

ACCN: S085433 25X1

VORONEZH ROCKET ENG TEST FAC LASER RANGE PROB UR 513432N 0390945E

25X1

VORONEZH ROCKET ENG TEST FAC LASER RANGE PROB UR 513432N 0390945E

25X1

THIS DRAWING SUPPLEMENTS PAR 78-660 AND DRAWINGS 68C6510/4 AND 69D4571/1.*

AF ENDR D6511-2-73 15 MAY 78 SEC CLASS: 13 MSN: 0001P

ACCN: S085434 25X1

RAMENSKOYE FLIGHT TEST CENTER AREA 5 UR 553238N 0380710E

25X1

THIS DRAWING SUPPLEMENTS PARS 77-630, 78-566 AND 78-613 AND DRAWING 78E3507.*

AF ENDR E3507-78 02 JUN 78 SEC CLASS: 13 MSN: 0001P

ACCN: S085435 25X1

25X1

TOP SECRET CHESS RUFF

25X1

RAMENSKOYE FLIGHT TEST CENTER AREA 5

UR 553238N 0380710E

25X1

THIS DRAWING SUPPLEMENTS PAR 78-613 AND DRAWING 73S6511/2.*

AF ENDR

E1506-78 02 AUG 78

SEC CLASS: 13 MSN:

0001P

ACCN: S085436

25X1

MISSILES, ICBM TYPE 3X SITE ASSOC BLDG5

UR

WAC NO :

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 40A

COMIREX NO:

THIS DRAWING SUPPLEMENTS PARS 78-610, 76-602, AND 74-510.*

25X1

TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

25X1
ZNAI

25X1

AF B11R RFB22-5006-78 JUL 78 SEC CLASS: 08 MSN: 0010P ACCN: 5085469

MISSILES, AS-6
WAC NO :
IDHS CODE:
BE/08J NO:
EPF CAT : 40J
UR
NPIC NO : -
COMIREX NO:

THE KINGFISH (AS-6) IS A DELTA-WING, ROCKET-POWERED, AIR-TO-SURFACE MISSILE (ASM) CARRIED BY BADGER G AND MODIFIED BADGER C AIRCRAFT. THIS REPORT INCLUDES A BASIC DESCRIPTION, AN ORTHOGRAPHIC ENGINEERING DRAWING, AND SELECTED PHOTOGRAPHY OF THE KINGFISH.

THE KINGFISH ASM HAS A LENGTH OF

25X1

194
TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

25X1
25X1

25X1

CIA BIR RCS13-0008-78 OCT 78 SEC CLASS: 13 MSN: 0015P ACCN: S085499 25X1

TANGHO PETROLEUM REFINERY CH 324040N 1123545E

25X1

MUTANCHIANG PETROLEUM REFINERY CH 443711N 1293755E

25X1

CHIUCHIANG PETROLEUM REFINERY CH 294425N 1160410E

25X1

CHINGTAO PETROLEUM REFINERY CH 361300N 1202250E

25X1

CHENHAI PETROLEUM REFINERY U/C CH 295900N 1213930E

25X1

INDUSTRY, PETROLEUM REFINERIES EXPANSION CH
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 30B COMIREX NO:

CHINA'S CRUDE OIL DISTILLATION CAPACITY AT THE END OF 1977 IS ESTIMATED TO BE ABOUT 19 PERCENT GREATER THAN IT WAS IN 1975, BASED ON ANALYSIS OF PHOTOGRAPHY AND OPEN-SOURCE DATA. BETWEEN 1975 AND THE END OF

199
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

1977, A NEW CRUDE OIL DISTILLATION UNIT WAS COMPLETED AT EACH OF SEVEN NEW REFINERIES AND THREE EXISTING REFINERIES, INCREASING THE CRUDE CAPACITY BY ABOUT 14 MILLION METRIC TONS PER YEAR (MMT/YR) TO A TOTAL OF SLIGHTLY OVER 88 MMT/YR. AN ADDITIONAL 11.5 MMT/YR OF CAPACITY WILL RESULT FROM THE COMPLETION OF FIVE REFINERIES STILL UNDER CONSTRUCTION. A TOTAL OF 50 REFINERIES, INCLUDING THE FIVE UNDER CONSTRUCTION, HAVE NOW BEEN IDENTIFIED IN CHINA.

SINCE 1975, THERE HAS ALSO BEEN AN INCREASE IN SECONDARY PROCESSING UNITS THAT ENABLE CHINA TO FURTHER PROCESS PETROLEUM PRODUCTS. THE LARGEST GROWTH HAS BEEN THE COMPLETION OF EIGHT CATALYTIC CRACKING UNITS WHICH PRODUCE HIGH-OCTANE GASOLINE. A CATALYTIC REFORMER TO PRODUCE HIGH-OCTANE GASOLINE HAS ALSO BEEN COMPLETED. OTHER NEW SECONDARY PROCESSING UNITS INCLUDE A LUBE OIL PLANT AND A DELAYED COKING UNIT. FOUR OTHER SECONDARY PROCESSING UNITS ARE STILL UNDER CONSTRUCTION.

MOST OF CHINA'S NEW PETROLEUM REFINERIES ARE LARGE MULTIPRODUCT REFINERIES WHICH PRODUCE PETROCHEMICAL OR FERTILIZER FEEDSTOCKS AS WELL AS THE TRADITIONAL OIL-BASED PRODUCTS. THERE HAS BEEN NO NEW CONSTRUCTION OF COMBINATION CRUDE OIL DISTILLATION AND CATALYTIC CRACKING UNITS SINCE 1975.

THIS REPORT UPDATES A BASIC REPORT PUBLISHED BY THE OFFICE OF IMAGERY ANALYSIS IN APRIL 1976. THE CURRENT STATUS OF THE CHINESE PETROLEUM INDUSTRY AND DEVELOPMENTS WITHIN THE INDUSTRY DURING 1976 AND 1977 ARE DISCUSSED. PROVIDED IN THE REPORT ARE TABLES COMPARING THE CRUDE OIL DISTILLATION CAPACITY AND SECONDARY PROCESSING FACILITIES AT CHINA'S 50 REFINERIES. DESCRIPTIONS AND PHOTOGRAPHS OF THE FIVE NEWEST REFINERIES ARE INCLUDED.

25X1

200
TOP SECRET CHESS RUFF

25X1

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25X1

25X1

DIA NBRG NDA07-5223-78 16 NOV 78 SEC CLASS: 05G MSN: 0001P ACCN: S085574

USSURIYSK ARMY BARRACKS NORTH AL2/HQ ARTY DIV UR 434932N 1315650E

25X1

DIA STDY DDB1030-007-78 OCT 78 SEC CLASS: 24 MSN: 0023P ACCN: S085576 25X1

MISSILES, SS-20 DEPLOYMENT STATUS

WAC NO : BE/OBJ NO: NPIC NO : -
IHHS CODE: EPF CAT : 40B COMIREX NO:

THIS REPORT REVIEWS THE CURRENT STATUS OF MOBILE IRBM DEPLOYMENT AND DISCUSSES BASE CONSTRUCTION PATTERNS, OPERATIONAL ACTIVITY, ESTIMATED FORCE DEPLOYMENT, AND SYSTEM MOBILITY. THIS DOCUMENT UPDATES AND SUPPLEMENTS INFORMATION CONTAINED IN DEFENSE INTELLIGENCE AGENCY PUBLICATION, DEPLOYMENT STATUS OF THE SS-20 MOBILE IRBM, DDI-1030-5-77 SAO, DATED AUGUST 1977.

DIA STDY DST1010S-315-78 03 OCT 78 SEC CLASS: 14 MSN: 0048P ACCN: S085577 25X1

KAPUSTIN YAR MTC SPACE SITE 7C SL-8J SLV UR 483226N 0461754E

25X1

SPACE, SL-8J SPACE LAUNCH VEHICLE

WAC NO : BE/OBJ NO: NPIC NO : -
IHHS CODE: EPF CAT : 40H COMIREX NO:

THE SL-8 SPACE LAUNCH VEHICLE UTILIZES THE SS-5 IRBM AS ITS FIRST STAGE. THE SL-8J IS A SPECIAL VARIANT OF THE SL-8 AND IS LAUNCHED FROM KAPUSTIN YAR MISSILE TEST CENTER (KYMTC) SITE 7C AND IMPACTS APPROXIMATELY 1950 KM DOWNRANGE NEAR SARY SHAGAN. THE SECOND STAGE BURNS THROUGH APOGEE AND PROVIDES ICRM REENTRY CONDITIONS. IT APPEARS THAT ALL SL-8J EVENTS HAVE BEEN LAUNCHED FROM SITE 7C, WHICH CONSISTS OF TWO LAUNCH PAD AREAS, A LARGE MOVABLE GANTRY THAT SERVES EITHER PAD, AND NUMEROUS SUPPORT STRUCTURES.

25X1

208
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

THE FIRST FLIGHT TEST OF THE SL-8J FROM KYMTC OCCURRED ON [REDACTED] THE TEST PROGRAM TOTALS 68 FLIGHTS THROUGH [REDACTED] THESE TESTS HAVE CARRIED A WIDE VARIETY OF PAYLOADS WHICH HAVE SUPPORTED R+D PROGRAMS FOR BOTH ICBM PAYLOADS AND ANTIBALLISTIC MISSILE (ABM) SYSTEMS. THE ABM RADARS AT SARY SHAGAN TRACK MANY OF THE SL-8J EVENTS, ONE EVENT OF WHICH SERVED AS A TARGET VEHICLE FOR AN ABM INTERCEPTOR.

25X1

25X1

THIS STUDY SUPPLEMENTS DIA STUDY DST-10105-315-78, SL-8J MISSILE SYSTEM (U). THIS SUPPLEMENTAL STUDY PROVIDES ADDITIONAL BASIS FOR THE SYSTEM ASSESSMENT. IT IS INTENDED TO FULFILL THE REQUIREMENTS OF DEPARTMENT OF DEFENSE CONSUMERS FOR SCIENTIFIC AND TECHNICAL INTELLIGENCE ON THE SL-8J BOOSTER SYSTEM AND ITS VARIOUS R+D PAYLOADS. COMPLETE DEFINITION OF THE VARIOUS PAYLOADS IS NOT POSSIBLE DUE TO THE LIMITED DATA AVAILABLE DURING THE REENTRY PHASE.

25X1

DIA STDY DST1000C-555-78 30 SEP 78

SEC CLASS: 25 MSN:

0048P

ACCN: S085585 25X1

MISSILES, BALLISTIC MISSILE SYSTEMS ACTIVITY

CH

WAC NO :

BE/OBJ NO:

NPIC NO : -

IUHS CODE:

EPF CAT : 40

COMIREX NO:

THIS SEMI-ANNUAL REPORT PRESENTS A SUMMARY OF THE PEOPLE'S REPUBLIC OF CHINA (PRC) ICBM/IRBM/MRBM SYSTEMS ACTIVITY OBSERVED DURING THE PERIOD 1 JANUARY - 30 JUNE 1978. THE REPORT CONTAINS ASSESSMENTS OF NEW OR UNUSUAL ACTIVITY INVOLVING OPERATIONAL SYSTEMS, INCLUDING THE RESPECTIVE DEPLOYMENT PROGRAMS. IN ADDITION, INDICATORS OF EMERGING OR NEW ICBM/IRBM/MRBM SYSTEMS DETECTED IN COMINT, FLIGHT TEST ACTIVITY, AND OVERHEAD PHOTOGRAPHY OF MISSILE PRODUCTION FACILITIES, ROCKET ENGINE TEST FACILITIES, AND MISSILE TEST CENTERS ARE DISCUSSED.

209

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESH RUFF

25X1

THE ONLY BALLISTIC MISSILE LAUNCH DETECTED IN CHINA DURING THIS REPORTING PERIOD WAS THE SUCCESSFUL LAUNCH OF A CSS-X-4 ICBM ON 15 APRIL 1978. THE VEHICLE WAS LAUNCHED ON A FLIGHT AZIMUTH OF ABOUT 275 DEGREES FROM THE SHUANG-CH'ENG-TZU MISSILE TEST CENTER TO THE K'U-LU-K'O IMPACT AREA IN WESTERN CHINA. RANGE TO THE IMPACT AREA WAS APPROXIMATELY 900 KM.

CSS-3 FIRST AND SECOND STAGES WERE IDENTIFIED FOR THE FIRST TIME [REDACTED] AT THE TAN-CHOU UNIDENTIFIED FACILITY LOCATED ABOUT 90 KM SSW OF THE CSS-3 SILO AT T'UNG-TAO. CERTAIN SIMILARITIES WITH THE CHIU-MENG-CHIN TRAINING SITE SUGGEST THE TAN-CHOU FACILITY COULD POSSIBLY BE ENGAGED IN MISSILE TROOP TRAINING.

25X1

THE CONSTRUCTION AT THE CHING-YU MISSILE TEST CENTER PREVIOUSLY REPORTED AS TWO SILOS UNDER CONSTRUCTION HAS NOW BEEN NEGATED. THE PURPOSE OF THE MAJOR ACTIVITY REMAINS UNKNOWN, ALTHOUGH A LARGE STRUCTURE, PRESENTLY UNDER CONSTRUCTION, RESEMBLES A MISSILE LAUNCH CONTROL CENTER.

A NEW MISSILE AND SPACE LAUNCH CENTER WAS IDENTIFIED IN FEBRUARY 1978, UNDER CONSTRUCTION AT SUNG-LIN IN SOUTH-CENTRAL CHINA. AT PRESENT, THE LAUNCH POINT SUBSTRUCTURE IS NEARLY IDENTICAL TO THE ONE AT SITE D, WU-CHAI MISSILE TEST CENTER. ESTIMATED COMPLETION DATE FOR THE SITE IS MID- TO LATE-1980. THE CENTER WILL PROBABLY SUPPORT SPACE LAUNCHES TO GEOSYNCHRONOUS ORBITS, ALTHOUGH A MISSILE ROLE CANNOT BE RULED OUT.

25X1

DIA	REPT	IAR003-78	OCT 78	[REDACTED]	SEC CLASS: 14	MSN:	0074P	ACCN: S085589
MILITARY, RIVER CROSSING UNITS/EQUIPMENT				EG				
WAC NO :		BE/OBJ NO:		NPIC NO :	-			
IDHS CODE:		EPF CAT : 35		COMIREX NO:				

25X1

THIS STUDY PROVIDES A COMPREHENSIVE OVERVIEW OF THE SEPTEMBER - DECEMBER 1977 STATUS OF EGYPTIAN RIVER-CROSSING UNITS, USING PHOTOGRAPHY AS THE PRIMARY SOURCE OF INTELLIGENCE. ANALYSIS OF THE CANAL AND THE EXTENSIVE RENOVATIONS UNDERWAY THERE ARE PRESENTED IN SECTION 2. THE RIVER-CROSSING EQUIPMENT AVAILABLE TO THE EGYPTIANS, ITS CAPABILITIES, AND METHODS OF DEPLOYMENT ARE DISCUSSED IN SECTION 3. FINALLY, PHOTOGRAPHS AND MAPS DEPICTING UNITS AND POTENTIAL CROSSING POINTS ARE PROVIDED FOLLOWING SECTION 4. WHENEVER POSSIBLE, EQUIPMENT TYPES ARE IDENTIFIED ON THESE GRAPHICS. HOWEVER, WHEN LARGE NUMBERS OF VEHICLES OR EQUIPMENT ARE PRESENT ONLY REPRESENTATIVE ITEMS ARE ANNOTATED.

25X1

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TOP SECRET CHESS RUFF

25X1

25X1

NPIC SR SR075-78 NOV 78 SEC CLASS: 05I MSN: 0003P ACCN: 5085600

VARANGAON AMMUNITION PLT SMALL ARMS AMMO FAC IN 210232N 0755530E

25X1

TIRUCHIRAPPALLI SMALL ARMS PLANT IDENT IN 104326N 0784713E

25X1

THE TIRUCHIRAPPALLI SMALL ARMS PLANT, IDENTIFIED ON IMAGERY OF [REDACTED] AND THE VARANGAON AMMUNITION PLANT SMALL ARMS AMMUNITION FACTORY, IDENTIFIED ON IMAGERY OF [REDACTED] INCREASE TO THREE THE NUMBER OF SMALL ARMS PLANTS IDENTIFIED IN INDIA.*

25X1

25X1

25X1

NPIC SR SR077-78 NOV 78 SEC CLASS: 14D MSN: 0003P ACCN: 5085602

AIRCRAFT: CUB AN-12 + COKE AN-24 PODS U/I UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 05D COMIREX NO:

UNIDENTIFIED PODS HAVE BEEN OBSERVED ON CUB AND COKE AIRCRAFT AT FOUR SOVIET AIRFIELDS. THESE PODS

25X1

214
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

WERE MOUNTED ON THE RIGHT FORWARD PORTION OF THE CUB FUSELAGE AND JUST BELOW THE COCKPIT ON THE LEFT FORWARD PORTION OF THE COKE FUSELAGE.

25X1

215
TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

25X1

25X1

CIA NOTE ISSN0008K-78 08 NOV 78 SEC CLASS: 14 MSN: 0009P ACCN: 5085609 25X1

TRANSPORTATION, ROAD CONST CHINESE REDUCED LA
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 85A COMIREX NO:
STORAGE, GRAIN STORAGE BUNKERS IDENTIFICATION UR
WAC NO : BE/OBJ NO: NPIC NO : -
IDHS CODE: EPF CAT : 80B COMIREX NO:
DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK UR 425400N 1322110E

25X1

DUNAY SUBMARINE BASE + SHIPYARD FLT6 DRYDOCK UR 425400N 1322110E

25X1

WUHSING MISSILE PROPULSION R+D CENTER EXPSN CH 304450N 1200135E

25X1

HUHOHAOTE SOLID PROPELLANT COMPLEX EXPANSION CH 404414N 1115740E

25X1

25X1

217
TOP SECRET CHESS RUFF

25X1
25X1

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TOP SECRET CHESS RUFF

25X1

25X1

NPIC MEMO 20 NOV 78 SEC CLASS: 14D MSN: 0001P ACCN: 5085627

PETROPAVLOVSK COMSAT STATION SEARCH UR 5254 N 15829 E

WAC NO : 0194 BE/OBJ NO: NPIC NO : -

IDHS CODE: EPF CAT : 25C COMIREX NO:

25X1

DIA NBRG NDA06-5001-78 21 NOV 78 SEC CLASS: 05B MSN: 0001P ACCN: 5085629

FEODOSIYA NAVAL FACILITIES APPROACHES SW UR 4459 N 03523 E

25X1

DIA NBRG NDA06-5002-78 21 NOV 78 SEC CLASS: 05B MSN: 0001P ACCN: 5085630

FEODOSIYA NAVAL BASE + SHIP REPAIR YARD UR 450131N 0352340E

FEODOSIYA NAVAL BASE + SHIP REPAIR YARD UR 450131N 0352340E

25X1

25X1

DIA NBRG NDA06-5003-78 27 NOV 78 SEC CLASS: 05G MSN: 0001P ACCN: 5085631

KHABAROVSK SHIPYARD USSURI SOUTH 876 UR 482405N 1350226E

25X1

DIA NBRG NDA06-5004-78 27 NOV 78 SEC CLASS: 05G MSN: 0001P ACCN: 5085632

VLADIVOSTOK NAVAL RESERVE BASE NOVIK GUBA UR 430128N 1315142E

223
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

[REDACTED]				25X1			
[REDACTED]							
DIA	NBRG	NDA06-5009-78	29 NOV 78	SEC CLASS: 05B MSN:	0001P	ACCN: S085633	25X1
		BAKU NAVAL FACILITIES APPROACHES		UR 4020 N 04953 E			25X1
[REDACTED]							
DIA	NBRG	NDA06-5010-78	29 NOV 78	SEC CLASS: 05B MSN:	0001P	ACCN: S085634	25X1
		BAKU NAVAL BASE + SHIP REPAIR YARD		UR 402042N 0495053E			25X1
		BAKU NAVAL BASE + SHIP REPAIR YARD		UR 402042N 0495053E			25X1
[REDACTED]							
DIA	NBRG	NDA06-5005-78	29 NOV 78	SEC CLASS: 05G MSN:	0001P	ACCN: S085635	25X1
		KARACHI NAVAL BASE + DOCKYARD WEST WHARF		PK 244950N 0665820E			25X1
		KARACHI NAVAL BASE + DOCKYARD WEST WHARF		PK 244950N 0665820E			25X1
[REDACTED]							
DIA	NBRG	NDA06-5006-78	29 NOV 78	SEC CLASS: 05G MSN:	0001P	ACCN: S085636	25X1
		BOMBAY NAVAL BASE + SHIP REPAIR YARD		IN 185533N 0725015E			25X1
		BOMBAY NAVAL BASE + SHIP REPAIR YARD		IN 185533N 0725015E			25X1
[REDACTED]							
DIA	NBRG	NDA06-5007-78	27 NOV 78	SEC CLASS: 05B MSN:	0001P	ACCN: S085650	25X1
		BALAKLAVA NAVAL FACILITIES APPROACHES		UR 4429 N 03336 E			
[REDACTED]							
DIA	NBRG	NDA06-5008-78	27 NOV 78	SEC CLASS: 05B MSN:	0001P	ACCN: S085651	

224
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1
25X1

BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD UR 443010N 0333554F

25X1

BALAKLAVA SUBMARINE BASE + SHIP REPAIR YARD UR 443010N 0333554F

25X1

25X1

225
TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

25X1
25X1

DIA	NBRG	NDA06-5011-78	21 NOV 78	SEC CLASS: 05B	MSN:	0001P	ACCN: S085677
		SEVEROMORSK NAVAL MISSILE LDG FACIL OKOLNAYA	UR	690543N	0332742E		
							25X1
DIA	NBRG	NDA06-5012-78	21 NOV 78	SEC CLASS: 05B	MSN:	0001P	ACCN: S085678
		OLENYA GUBA SUBMARINE REPAIR BASE	UR	691250N	0331745E		
							25X1
DIA	NBRG	NDA06-5013-78	21 NOV 78	SEC CLASS: 05B	MSN:	0001P	ACCN: S085679
		POLYARNYY SUBMARINE BASE	UR	691208N	0332740E		
							25X1
DIA	NBRG	NDA06-5014-78	21 NOV 78	SEC CLASS: 05B	MSN:	0001P	ACCN: S085680
		KHERSON SHIPYARD KOMINTERN	UR	463735N	0323530E		
							25X1
DIA	NBRG	NDA06-5135-77	30 NOV 78	SEC CLASS: 05G	MSN:	0001P	ACCN: S085681
		HSINHSIANG NAVAL FACILITIES APPROACHES	CH	301520N	1221828E		
							25X1
DIA	NBRG	NDA06-5136-77	30 NOV 78	SEC CLASS: 05G	MSN:	0001P	ACCN: S085682
		HSINHSIANG NAVAL BASE	CH	301506N	1221817E		
							25X1

25X1

228
TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

25X1

DIA NBRG NDA07-5224-78 30 NOV 78 SEC CLASS: 05B MSN: 0001P ACCN: S085697
KRASNOYARSK ARMY BARRACKS AL2 + TRNG AREA TA1 UR 560252N 0925551E

25X1

25X1

DIA NBRG NDA07-5225-78 30 NOV 78 SEC CLASS: 05B MSN: 0001P ACCN: S085698
OMSK ARMY BARRACKS SSE AL5 + TRAINING AREA 2 UR 545304N 0732936E

25X1

25X1

DIA NBRG NDA07-5226-78 30 NOV 78 SEC CLASS: 05B MSN: 0001P ACCN: S085699
OMSK ARMY BARRACKS AL7 + TRAINING AREA 1 UR 545300N 0732018E

25X1

25X1

DIA NBRG NDA07-5227-78 30 NOV 78 SEC CLASS: 05B MSN: 0001P ACCN: S085700
OMSK ARMY BARRACKS AL9 + HQ TANK DIVISION UR 545740N 0732350E

25X1

DIA NBRG NDA07-5228-78 30 NOV 78 SEC CLASS: 05B MSN: 0001P ACCN: S085701
CHIRCHIK ARMY BARRACKS AL9 UR 412702N 0693320E

25X1

DIA NBRG NDA07-5229-78 30 NOV 78 SEC CLASS: 05B MSN: 0001P ACCN: S085702
BELOVOUSKOYE ARMY BARRACKS AL2 UR 424900N 0740550E

25X1

25X1

233
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1
25X1

DIA NBRG NDA07-5230-78 30 NOV 78 SEC CLASS: 05B MSN: 0001P ACCN: S085703
ALMA ATA ARMY BARRACKS EAST AL4 UR 431620N 0765740E

25X1

DIA NBRG NDA07-5231-78 30 NOV 78 SEC CLASS: 05B MSN: 0001P ACCN: S085704
RYBACHYE ARMY BARRACKS AL1/TRAINING AREA TA1 UR 422950N 0761200E

25X1

RYBACHYE ARMY BARRACKS AL1/TRAINING AREA TA1 UR 422950N 0761200E

25X1

25X1

DIA NBRG NDA07-5232-78 30 NOV 78 SEC CLASS: 05B MSN: 0001P ACCN: S085705
KIZYL ARVAT ARMY BARRACKS SE AL4 UR 385750N 0561700E

25X1

ARMY BIIR KAC24-0005-78 SEP 78 SEC CLASS: 14B MSN: 0019P ACCN: S085739 25X1

MILITARY: URAL-375 GENR TRAILER AR-EL-1 ASSOC UR
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 35E COMIREX NO:
ELECTRONICS: AR-EL-1 RADIO INTERCEPT/DF RCVR
WAC NO : BE/OBJ NO: NPIC NO :
IUHS CODE: EPF CAT : 25D COMIREX NO:
ELECTRONICS: AR-EL-1 RADIO INTERCEPT/DF RCVR UR
WAC NO : BE/OBJ NO: NPIC NO : -
IUHS CODE: EPF CAT : 25A COMIREX NO:

THIS BIIR CONTAINS A DETAILED PHYSICAL DESCRIPTION OF A NEW SOVIET RADIO INTERCEPT/DIRECTION FINDING RECEIVER/PROCESSOR VAN. THE VAN IS DESIGNATED BY THE NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER (NPIC) AS THE AR-EL-01 AND IS A URAL-375 BOX BODY VAN (BBV) WITH A CHAMFERED ROOF. A COVERED PROBABLE ANTENNA, DISTINCTIVELY C-SHAPED, IS MOUNTED ATOP THE CHAMFERED ROOF. A TELESCOPIC MAST IS MOUNTED AT THE RIGHT FRONT OF THE VAN BODY BETWEEN THE VAN AND THE TRUCK CAB. WHEN FIELD DEPLOYED, THE AR-EL-01 IS NORMALLY CABLE-CONNECTED TO TALL RODS AND SQUARE FOUR RADIO INTERCEPT/DIRECTION FINDING ANTENNAS AND AN ASSOCIATED TWO-AXLE GENERATOR TRAILER. A POSSIBLE ASSOCIATED URAL-375 CHAMFERED ROOF VAN IS FREQUENTLY SEEN.

THE AR-EL-01 IS PRODUCED AND/OR ASSEMBLED AT THE VORONEZH MINING EQUIPMENT PLANT.

234
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

THE AR-EL-01 WAS FIRST IDENTIFIED AS OPERATIONALLY DEPLOYED NEAR NEBIT DAG ARMY BARRACKS AL1, USSR.
THE AR-EL-01 IS CURRENTLY DEPLOYED IN THE SOVIET UNION, MONGOLIA AND EAST GERMANY.
AT SELECTED SITES, THE AR-EL-01 (URAL-375 BOX BODY WITH CHAMFERED ROOF) HAS REPLACED THE ZIL-157 AS THE
RECEIVER VAN USED WITH THE FULL HOUSE RI/DF SYSTEM. THIS REPORT CONCLUDES THAT IN ALL FULL HOUSE SYSTEMS,
THE AR-EL-01 VANS PROBABLY WILL REPLACE ALL THE ZIL-157 RECEIVER VANS DEPLOYED WITH SOVIET FRONT AND
ARMY-LEVEL UNITS.

INFORMATION CONTAINED IN THIS REPORT WAS DERIVED FROM SELECTED OVERHEAD AND SMALL-FORMAT IMAGERY AND
INTELLIGENCE REPORTS. THIS BIIR CONTAINS 10 ILLUSTRATIONS (INCLUDING 8 ANNOTATED PHOTOGRAPHS, AN
ARTIST'S DRAWING WITH DIMENSIONS, AND A MAP SHOWING DEPLOYMENTS), NARRATIVE TEXT, AND A REFERENCE DATA
SECTION.

25X1

235
TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

25X15X1

25X1

NPIC MEMO

05 DEC 78

SEC CLASS: 14B MSN:

0004P

ACCN: S085803

25X15X1

TASHKENT MILITARY RADIO COMMO RECEIVER STA UR 412000N 0692335E

25X1

TASHKENT MILITARY RADCOM RECEIVER STATION WAS REVIEWED TO DETERMINE THE STATUS OF THE HIGH FREQUENCY ANTENNAS THERE. THE STATION CONSISTED OF 11 FISHBONE AND TWO DOUBLE RHOMBIC ANTENNAS. ALL PERTINENT KEYHOLE IMAGERY WAS USED.*

25X1

238
TOP SECRET CHESS RUFF

25X1

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TOP SECRET CHESS RUFF

25X1

25X1

DIA IIM 5B3-50703-78 12 DEC 78

SEC CLASS: 13 MSN:

0001P

ACCN: 5085876

25X1

MALYAVK AIRFIELD FORGER YAK-36 AIRCRAFT SHLTR UR 685208N 0334300E

25X1

25X1

242
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

25X1

NPIC MEMO

13 DEC 78

SEC CLASS: 14B MSN:

0001P

ACCN: S08590725X1

FASTOV RADIO RELAY STATIONS SEARCH

UR 5005 N 02955 E

WAC NO : 0233

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 25D

COMIREX NO:

25X1

NPIC MEMO

15 DEC 78

SEC CLASS: 14B MSN:

0002P

ACCN: S085909

KOTLAS RADIO RELAY + TV STATION

UR 611410N 0463730E

25X1

KOTLAS RADIO RELAY + TV STATION

UR 611410N 0463730E

25X1

MICHURINSK TV RELAY STATION

UR 525348N 0402955E

25X1

NOVOASBEST RADIO RELAY + TV BROADCAST STATION

UR 574115N 0601015E

25X1

NOVOASBEST RADIO RELAY + TV BROADCAST STATION

UR 574115N 0601015E

25X1

243
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

ORSK RADIO RELAY + TV BROADCAST CENTER UR 511355N 0582712E

25X1

ORSK RADIO RELAY + TV BROADCAST CENTER UR 511355N 0582712E

25X1

25X1

THIS MEMO PROVIDES THE NUMBER, TYPE, ORIENTATION, AND CURRENT DESCRIPTIONS OF FOUR RADIO-RELAY/TV CENTERS. THEY ARE LOCATED AT ORSK, NOVOASBEST, MICHURINSK, AND KOTLAS.*

NPIC MEMO 19 DEC 78 SEC CLASS: 14B MSN: 0001P

ACCN: 5085917 25X1

KRASNODAR TV + FM BROADCAST CENTER UR 450130N 0390020E

25X1

25X1

25X1

244
TOP SECRET CHESS RUFF

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Top Secret



Top Secret